

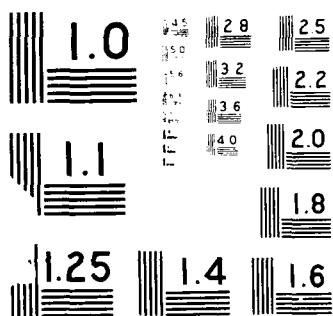
DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND
SERVICE CATEGORY BY C. (U) WASHINGTON HEADQUARTERS
SERVICES (DOD) DC DIRECTORATE FOR INF. 1988

DIOR/ST06-88-PT-1

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A 10x15 grid of squares. The top-left square is missing, creating a shape that resembles a staircase or a corner. The grid is composed of 14 rows and 15 columns. The first row has 14 squares, the second row has 15 squares, and the remaining rows (3 to 14) each have 15 squares.



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SECURITY CLASSIFICATION OF THIS PAGE

12

REPORT DOCUMENTATION PAGE

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3. DISTRIBUTION/AVAILABILITY OF REPORT

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5. MONITORING ORGANIZATION REPORT NUMBER(S)

DTIC/ST06-88-PT-1

6a. NAME OF PERFORMING ORGANIZATION
WHS, Directorate for Information
Operations and Reports

6b. OFFICE SYMBOL
(If applicable)

7a. NAME OF MONITORING ORGANIZATION

6c. ADDRESS (City, State, and ZIP Code)

7b. ADDRESS (City, State, and ZIP Code)

Arlington, VA 22202-4302

8a. NAME OF FUNDING/SPONSORING
ORGANIZATION

8b. OFFICE SYMBOL
(If applicable)

9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER

8c. ADDRESS (City, State, and ZIP Code)

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NO.

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18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

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21. ABSTRACT SECURITY CLASSIFICATION

22a. NAME OF RESPONSIBLE INDIVIDUAL

22b. TELEPHONE (Include Area Code)

22c. OFFICE SYMBOL

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AB22	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/FIRE PREVENTION & CONTROL-EXPLOR DEV	27
AB91	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER COMMUNITY SVC&DEVELOP-RESEARCH	700
AB96	COMDISCO DSASTER RECOVERY SVCS	Illinois	ARMY	RDTE/OTHER COMMUNITY SVC&DEVELOP-MGMT&SUP	144
	Y M C A OF THE UNITED STATES	Hawaii	NAVY	RDTE/OTHER COMMUNITY SVC&DEVELOP-MGMT&SUP	26-
	R&D TOTAL				118
AC11	ALLIED SIGNAL INC	New Jersey	NAVY	RDTE/AIRCRAFT - RESEARCH	310
	ANALYTICAL METHODS INC	Washington	NAVY	RDTE/AIRCRAFT - RESEARCH	42
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/AIRCRAFT - RESEARCH	364
	BELL BOEING JV	Texas	NAVY	RDTE/AIRCRAFT - RESEARCH	103,491
	DECEL INC	Florida	NAVY	RDTE/AIRCRAFT - RESEARCH	128
	EAGLE TECHNOLOGY INC	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	1,156
	ELECTROSPACE SYSTEMS INC	Florida	USAF	RDTE/AIRCRAFT - RESEARCH	408
	FAILURE ANALYSIS ASSOCIATES	California	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/AIRCRAFT - RESEARCH	485
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/AIRCRAFT - RESEARCH	6,425
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/AIRCRAFT - RESEARCH	1,193
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/AIRCRAFT - RESEARCH	1,500
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - RESEARCH	3,635
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/AIRCRAFT - RESEARCH	32
	HUMBURG MOUNTAIN RESEARCH LABS	California	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	LIFE SYSTEMS INC	Ohio	ARMY	RDTE/AIRCRAFT - RESEARCH	319
	LOUISIANA TECH UNIVERSITY	Louisiana	NAVY	RDTE/AIRCRAFT - RESEARCH	70
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/AIRCRAFT - RESEARCH	72
			USAF	RDTE/AIRCRAFT - RESEARCH	39-
	STATE TOTAL				33
	PIASECKI AIRCRAFT CORP	Penn	ARMY	RDTE/AIRCRAFT - RESEARCH	500
	Q E D SYSTEMS INC	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	68

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FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC11 (CONTINUED)					
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/AIRCRAFT - RESEARCH	8,299
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/AIRCRAFT - RESEARCH	35
	SRI INTERNATIONAL	California	NAVY	RDTE/AIRCRAFT - RESEARCH	49
	SUMMIT AVIATION INC	Delaware	ARMY	RDTE/AIRCRAFT - RESEARCH	3,773
	TECHNOLOGY INTERNATIONAL INC	Louisiana	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	TERRA TEK INC	Utah	NAVY	RDTE/AIRCRAFT - RESEARCH	49
	TITAN CORPORATION	California	NAVY	RDTE/AIRCRAFT - RESEARCH	74
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/AIRCRAFT - RESEARCH	100
		Florida	NAVY	RDTE/AIRCRAFT - RESEARCH	277
	CONTRACTOR TOTAL				377
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/AIRCRAFT - RESEARCH	4,750
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/AIRCRAFT - RESEARCH	905
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/AIRCRAFT - RESEARCH	61
	VIRGINIA PLTYCHNIC INST/ST UNI	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	47
	WAGNER CASTINGS COMPANY	Illinois	NAVY	RDTE/AIRCRAFT - RESEARCH	224
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/AIRCRAFT - RESEARCH	300
	R&D TOTAL				139,252
AC12	ALLIED SIGNAL AEROSPACE CO	Arizona	ARMY NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	289 144
	STATE TOTAL				433
		California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	402
	CONTRACTOR TOTAL				835
	ANAMET LABORATORIES INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	49
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	324
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	185

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	BDM SERVICES COMPANY	Virginia	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	\$ 193
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	339
	BOEING COMPANY THE	Penn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	764
		Washington	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	125
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	308
	STATE TOTAL				433
	CONTRACTOR TOTAL				1,197
	BURNETTE ENGINEERING	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	84
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	430
	CHROMATICS INC	Georgia	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	74
	CONRAD TECHNOLOGIES INC	Penn	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	26
	DECEL INC	Florida	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	50
	DOW CORNING CORPORATION	Michigan	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,946
	ESL INCORPORATED	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	750
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	146
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	664
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	102
	STATE TOTAL				766
		Ohio	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	342
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,456
	STATE TOTAL				3,798
	CONTRACTOR TOTAL				4,564
	GENERAL MOTORS CORPORATION	Indiana	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	474
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	119
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	783
	STATE TOTAL				1,376
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	44

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC12 (CONTINUED)					
	GRUMMAN CORPORATION	New York	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	200
	H R TEXTRON INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	75
	HONEYWELL INC	Florida	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	1,000
	HUGHES ACFT & TEXAS INSTR JV	California	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	2,463
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	50
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	120
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	34
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	160
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	859
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	389
	STATE TOTAL				1,248
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	294
	NORTHROP CORPORATION	California	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	50
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	185
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	294
	STATE TOTAL				529
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	122
	P D A ENGINEERING	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	50
	RAYTHEON COMPANY	Mass	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,968
	REFRACTORY COMPOSITES INC	California	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	46
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	439
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	51
	STATE TOTAL				490
	ROLLS-ROYCE INC	Georgia	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	74
	CONTRACTOR TOTAL	UNITED KIN	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	152
	SIMULA INC	Arizona	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	226
					84

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	\$ 191
	SURVICE ENGINEERING COMPANY	Maryland	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	95
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	199
	UNITED TECHNOLOGIES CORP	Conn	ARMY NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	16,410 3,990
		STATE TOTAL			20,400
		Florida	ARMY NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	475 1,351
		STATE TOTAL			1,826
	CONTRACTOR TOTAL				22,226
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	31
	VECTOR RESEARCH INC	Michigan	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	105
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	633
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	19,114
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	221 163
		STATE TOTAL			384
P&D TOTAL					68,749
AC13	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50 2,482
		STATE TOTAL			2,532
	ALLIED SIGNAL INC	Arizona	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	2,047
		California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	300
	CONTRACTOR TOTAL				2,347
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	511
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,867
	AVCO CORPORATION	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	59

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					

BOEING COMPANY THE	Penn	ARMY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT	\$	1,859
	Washington	NAVY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		23,984
		USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		26,656
CONTRACTOR TOTAL						50,660
						52,519
CACI INTERNATIONAL INC	Virginia	NAVY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		178
CENTURY COMPUTING INC	Ohio	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		323
CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		36
COMPUTER SCIENCES CORPORATION	New Jersey	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		900
CONTEL PAGE SYSTEMS INC	Virginia	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		900
DAVIS JOSEPH A CONSULTANTS INC	New York	NAVY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		42
ELDEC CORPORATION	Washington	ARMY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		46
FAIRCHILD INDUSTRIES INC	New York	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		47 -
GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		834
	Texas	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		20,909
CONTRACTOR TOTAL						21,743
GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		203,174
GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		6,537
GRUMMAN AEROSPACE CORPORATION	California	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		6,158
	New York	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		3,233
CONTRACTOR TOTAL						9,391
GTE PRODUCTS CORP DEL CORP	Mass	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		900
HAZELTINE CORPORATION	Mass	NAVY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		99
HONEYWELL INC	Minnesota	USAF	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		734
HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/AIRCRAFT -	ADVANCED DEVELOPMENT		68

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC13 (CONTINUED)					
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	650-
	LEAR SIEGLER INC	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	109
	LOCKHEED CORPORATION	California	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	16,674
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	72,266
	STATE TOTAL				88,940
	CONTRACTOR TOTAL				3,468
		Georgia	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	92,408
	LOGICON INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	30
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	331
	MAINSTREAM ENGINEERING CORP	Florida	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	5,013
	MC DONNELL DOUGLAS AIRCRAFT	Washington	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	144
	MC DONNELL DOUGLAS CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	255
		Missouri	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	52-
	STATE TOTAL				55,440
	CONTRACTOR TOTAL				55,388
		Arizona	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	55,643
	MC DONNELL DOUGLAS HELICOPTER	GABON	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	2,232
	NORMALAIR GARRETT	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	55
	NORTHROP CORPORATION	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	71,273
	ROCKWELL INTERNATIONAL CORP	Oklahoma	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	82,483
	CONTRACTOR TOTAL				366
	SCIDMORE & SHEAN	New York	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	82,849
	SCIENCE APPLICATIONS INTL CORP	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
	SEMCOR INC	New Jersey	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,049
					1,837

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	SYNETICS CORPORATION	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	\$ 500
	TELEDYNE INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,408
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,400
	THERMACORE INC	Penn	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	58
	TRW INC	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	900
	UNITED TECHNOLOGIES CORP	Florida	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	260,630
		STATE TOTAL			260,680
	VEDA INCORPORATED	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	3,725
		Penn	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,669
	CONTRACTOR TOTAL				5,394
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	64
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,679
	R&D TOTAL				889,365
AC14	A A I CORPORATION	Maryland	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	63
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,714
		STATE TOTAL			1,777
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	217
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	34,700
	BARNES ENGINEERING COMPANY	Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,078
	BDM CORPORATION	New Mexico	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,528
		Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	75
	CONTRACTOR TOTAL				1,603
	BELL BOEING JV	Texas	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	323,183
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	62-
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,227

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC14 (CONTINUED)

BOEING COMPANY THE	STATE TOTAL				\$	2,165
Alabama	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				11,504
Kansas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				574
Penn	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				974
Washington	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				117,206
	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				41,787
STATE TOTAL						158,993
						172,045
CONTRACTOR TOTAL						673
CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			57
CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			55
COMPUTER SCIENCES CORPORATION	Penn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			2,000
CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			200
CTA INCORPORATED	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			389
E-SYSTEMS INC	Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			34,049
EATON CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			4,682
ECC INTERNATIONAL CORP	Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			111
EDO CORPORATION	Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			113
FROST ENGINEERING DEVELOPMENT	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			150
G T E LABORATORIES INC	Mass	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			4,744
GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			33
	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				4,777
STATE TOTAL						8,869
	Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			13,646
CONTRACTOR TOTAL						5,203
GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT			73
	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT				

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		\$
AC14 (CONTINUED)						
	CONTRACTOR TOTAL					
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		577
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		927
			STATE TOTAL			1,504
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		100
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		532
			STATE TOTAL			632
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		302,235
	H R TEXTRON INC	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		745
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		910
	KAMAN AEROSPACE CORPORATION	Conn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		229
	LEAR SIEGLER INC	Michigan	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		506
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		2,754
			STATE TOTAL			3,260
	LIGHT HELICOPTER TURBIN ENG	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		49,540
	LITTON SYSTEMS INC	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		80
	LOCKHEED CORPORATION	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		2,850
	LOCKHEED MISSILES & SPACE CO	Texas	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		5,706
	LOGISTICS MANAGEMENT ENGRG	Maryland	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		97
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		346
			STATE TOTAL			443
	LORAL CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		4,722
	MARQUARDT COMPANY THE	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		376
	MC DONNELL DOUGLAS AIRCRAFT	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT		499,134

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	-R&D DESCRIPTION-	
AC14 (CONTINUED)					
		STATE TOTAL			
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	\$ 1,654,578
		Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,153,712
		Missouri	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	103,000
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	798
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	24,580
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	5-
		STATE TOTAL			24,575
		CONTRACTOR TOTAL			128,373
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	15,300
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	115
	MINISTRY OF DEFENSE UK	GABON	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	98
	NORMALAIR-GARRETT LTD	BANGLADESH	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	75
	PACER SYSTEMS INC	Penn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	434
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	132,444
	SCIENCE APPLICATIONS INTL CORP	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	390
	SINGER COMPANY THE	Arizona	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,634
		Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,000
		New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	3,095
					5,729
	CONTRACTOR TOTAL				290
	SUMMIT ENGINEERING COMPANY	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	215
	TELEDYNE INC	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	800
	UNITED AIRLINES SERVICES CORP	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,453
		Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,253
	CONTRACTOR TOTAL	Conn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	62,491
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	26,350

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC14 (CONTINUED)					
	CONTRACTOR TOTAL				
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	88,841
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,104
	VEDA INCORPORATED	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	32
		Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	100
					432
	CONTRACTOR TOTAL				532
	VER-VAL ENTERPRISES INC	Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	857
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	155
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	444-
	WESTLAND INC	Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	640
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	217
	R&D TOTAL				3,561,915
AC15	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	102-
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	31,951
	BOEING COMPANY THE	Kansas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	3,815
		Penn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	300
		Washington	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	1,575
	CONTRACTOR TOTAL				5,690
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	445
		Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	308
		S Carolina	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	190
	CONTRACTOR TOTAL				943
	E-SYSTEMS INC	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	881
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	105
		Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	3,047

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC15 (CONTINUED)	CONTRACTOR TOTAL				
	ESPRIT TECHNOLOGY INC	California	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	3,52
	FLIGHT REFUELING LTD	UNITED KIN	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	156
	FLIGHT SYSTEMS INC	California	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	675
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	301
	GENERAL MOTORS CORPORATION	Indiana	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	28,825
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	113
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	71,382
	J-TEC ASSOCIATES INC	Iowa	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	426
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	48
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	7,526
	NORTHEAST AIRLINES INC	Penn	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	61,594
	ORLANDO HELICOPTER AIRWAYS	Florida	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	103
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	5,189
		Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	62,664
	CONTRACTOR TOTAL				75
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	62,739
	STRATEGIC RESEARCH & MGT SVCS	Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	184
	TECHNOLOGY INTGRN DEV GROUP	Mass	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	26
	JLTRAMET	California	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	50
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	250
			NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	44
				RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	67-
	STATE TOTAL				23-
R&D TOTAL					282,179
AC16 A P A OPTICS INC		Minnesota	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	250

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	\$ 614
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	67
	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	235
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	1,500
	BELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	504
	BEND RESEARCH INC	Oregon	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	140
	BOEING COMPANY THE	Kansas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	BREWER SCIENCE INC	Missouri	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	BROWN JOHN ASSOCIATES INC	New Jersey	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	541
	CARVER BACH	California	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CORDRAY INTERNATIONAL CORP	Colorado	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	70
	CREARE, INC	N.H.	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	108
	DYNETICS INC	Alabama	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	47
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	51
	FLOUROCHEM INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	42
	FLOWDRILL CORP	Washington	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	47
	FOSTER-MILLER INC	Mass	ARMY USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	68 339
		STATE TOTAL			407
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	525
	HONEYWELL INC	Minnesota	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	35
	I A P RESEARCH INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	INTERACTIVE CNC SYSTEMS	Penn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	\$ 50
	K M S INDUSTRIES INC	Michigan	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	KSA TECHNOLOGY INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	45
	LASER TECHNOLOGIES INC	Michigan	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	641
	MATERIALS INNOVATION LABS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	275
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	100
	MEASUREMENT TECHNOLOGY NW	Washington	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150
	METCUT RESEARCH ASSOCIATES	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	191
	METRON INC	Penn	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	426
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	157
		New Mexico	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CONTRACTOR TOTAL				207
	NIELSEN A C COMPANY	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	55
	NU TECH	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	48
	OPCOA INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	225
	P D A ENGINEERING	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	350
	PRESTIGIOUS TECH SVS INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	RADIUS ENGINEERING & TOOLING	Utah	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	RIBBON TECHNOLOGY CORPORATION	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	160
	SCIENTIFIC COMPUTING ASSOC	Conn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	84
	SIMULA INC	Arizona	ARMY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	634
	SPACE POWER INCORPORATED	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	199
	SPARTA INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	SPIRE CORPORATION	Mass	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	\$ 103
	SPUTTERTEX CORPORATION	Texas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	412
	STRUCTURAL INTEGRITY ASSOC INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	157
	SURVICE ENGINEERING COMPANY	Mass	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	56
	TECHNO-SCIENCES INC	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	51
	TECHNOLOGY INTGRN DEV GROUP	Mass	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	TRIBOLOGY CONSULTANTS	Penn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	124
	VERAC INCORPORATED	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	103
	VIGYAN RESEARCH ASSOCIATES	Virginia	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	137
	WESTINGHOUSE ELECTRIC CORP	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	230
	R&D TOTAL				12,297
AC21	A A I CORPORATION	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	3,557
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,810
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	142
	ARBUS INC	Nevada	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	438
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	250
	AVCO CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	5,946
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,900
	BOEING COMPANY THE	Washington	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	197
	CALSPAN CORPORATION	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	191
	ENERGY OPTICS INC	New Mexico	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	285
	ENFITEK INC	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	44
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	218

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC21 (CONTINUED)					
	FERRANTI INSTRUMENTATION LTD	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	181
	FORWARD UNLIMITED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	85
	FOSTER-MILLER INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	700
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	72
		STATE TOTAL			772
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	293
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	17,384
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
		STATE TOTAL			18,657
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	39
		Vermont	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,442
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	95
		STATE TOTAL			1,537
		STATE TOTAL			1,576
	CONTRACTOR TOTAL				44
	GENERAL PNEUMATICS CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,610
	GOULD INC	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	409
	HARRIS CORPORATION	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	454
	HAZELTINE CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	5,273
	HERCULES INCORPORATED	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	580
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	5,853
		STATE TOTAL			1,070
	HILTON SYSTEMS INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	150
	HONEYWELL INC	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	8,112
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	223
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	9,335
		STATE TOTAL			300
	INTERSCIENCE INC	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC21 (CONTINUED)					
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,000
	KAMAN SCIENCES CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	313
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	LOCKHEED SPACE OPERATION CO	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
	LORAL CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	100
	LOUGHBOROUGH UNIV OF TECH	GABON	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	50
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,520
	MAREMONT CORPORATION	Maine	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	4,420
	CONTRACTOR TOTAL				5,420
	MASSACHSTTS INST OF TECHNOLOGY	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	73
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	79
	STATE TOTAL				152
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,000
		Missouri	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	165
	CONTRACTOR TOTAL				2,165
	MINE SAFETY APPLS COMPANY	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	78
	MORTON THIOKOL INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	596
	NORTH EAST RESEARCH	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	150
	OPTIMETRICS INC	Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	113
	RADAR TECHNOLOGY INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	38
	RCA CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	292
	CONTRACTOR TOTAL	New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	260
					552

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC21 (CONTINUED)					
	REXHAM AEROSPACE&DEF GP, INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	922
	RICE WILLIAM MARSH UNIVERSITY	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	71
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	26,000
	SACH SINHA & ASSOCIATES	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	47
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,346
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	27
	SYNETICS CORPORATION	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	438
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	10,015 35
	STATE TOTAL				10,050
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	100
	UNIVERSITY OF DAYTON INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,510
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY NAVY USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	3,741 1,045 73
	STATE TOTAL				4,859
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	99
	WAGNER DANIEL H ASSOCIATES	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	50
	R&D TOTAL				118,880
AC22 ADVANCED DECISION SYSTEMS					
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	344
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	221
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,178
	AMERICAN HI QUALITY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,309
	AMERICAN SCIENCE & ENGRG	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	91
					150

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC22 (CONTINUED)					
	ANATECH INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	141
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	860
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	25
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	741
	BALL CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	2,202
	BEECH AIRCRAFT CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	109
	BOEING COMPANY THE	Washington	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	299 1,000
			STATE TOTAL		1,299
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	432
	CALIFORNIA STATE UNIV - CHICO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	100
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	125
	CHEMICAL DYNAMICS CORP	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	44
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	60
	COMMUNICATIONS SYSTEMS SPCLSTS	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	244
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,634
	DCS CORPORATION	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	49
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	76
	FEDERAL ELECTRIC CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,633
	FIBER MATERIALS INC	Maine	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	250
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	254
		Penn	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	2,739 679
			STATE TOTAL		3,418

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC22 (CONTINUED)					
	CONTRACTOR TOTAL				
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	3,672
	HERCULES INCORPORATED	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	400
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	688
		W Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	972
	CONTRACTOR TOTAL				392
					2,052
	HERSH ACOUSTICAL ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	450
	HI-SHEAR CORPORATION	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	HIBBITT, KARLSSON & SORESENSEN	Rhode Isld	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	28
	HONEYWELL INC	Minnesota	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	105
	HUGHES AIRCRAFT COMPANY	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	11,196 366
	STATE TOTAL				11,562
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	724
	INTEGRATED SYSTEMS INC	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	145 62-
	STATE TOTAL				83
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	155
	L GARDE INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	502
	LITTON SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	992
	LOCKHEED CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	60
	LOCKHEED MISSILES & SPACE CO	California	NAVY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	93 1,514
	STATE TOTAL				1,607
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	51
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	477
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	322

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC22 (CONTINUED)					
	CONTRACTOR TOTAL				
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	158
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	480
		Missouri	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	135
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	326
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	548
	CONTRACTOR TOTAL				874
	MORTON THIOKOL INC	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	329
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,028
	CONTRACTOR TOTAL				1,357
	NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	98
	NTS ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	P D I TECHNOLOGY, INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	95
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	48
	PHOTON RESEARCH ASSOCIATES	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	233
	PHYSICAL RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	100
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	150
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	75
	RAYTHEON COMPANY	Mass	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	725 1,066
	STATE TOTAL				1,791
	ROCKWELL INTERNATIONAL CORP	California	NAVY USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	49 11,444
	STATE TOTAL				11,493
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	584
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	125
	SOFTWARE AND ENGRG ASSOC	Nevada	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	175

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC22 (CONTINUED)					
	SPACE POWER INCORPORATED	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	SPARTA INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	164
	SRI INTERNATIONAL	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	284
	SRS TECHNOLOGIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	193
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	64
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	630
	TEXTRON INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	461
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	111
	TWIN TOWN LEASING CO INC	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	42
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,106
		Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	87
		Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,259
	CONTRACTOR TOTAL				2,452
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	187
	UNIVERSITY OF ALABAMA	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	61
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	39
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	454
	UNIVERSITY OF CHICAGO THE	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	90
	UNIVERSITY OF HAWAII	Hawaii	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	30
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	45
	UNIVERSITY OF OREGON	Oregon	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	114
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	44
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	37
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	95
	VIRGINIA PLYTECHNIC INST/ST UNI	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	294

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC22 (CONTINUED)					
	WALKER JAMES CO INC	W Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	56
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	850
	WICKMAN SPCCRAFT PRPLSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	150
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	460
	R&D TOTAL				61,707
AC23	A P A OPTICS INC	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	98
	A T & T TECHNOLOGIES INC	New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
	ACUREX CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,343
		Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	7,306
	CONTRACTOR TOTAL				12,649
	ADROIT SYSTEMS INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	92
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,366
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	127
	ADVANCED REFR TECHNOLOGIES	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	250
	ADVANCED RES & APPLICATIONS	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	707
	ADVANCED SCIENCES INC	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,303
	AEROJET ELECTROSYSTEMS CO	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	860 580-
	STATE TOTAL				280
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	9,441
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	6,957
	AEROJET TECHSYSTEMS CO	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	559
	AEROMET INC	Oklahoma	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,398
	AIR TURBINE TECHNOLOGY INC	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	ALLIED SIGNAL AEROSPACE CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	\$ 5,920
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	13,304
	CONTRACTOR TOTAL				19,224
	ALPHATECH INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,018
	ALUMINUM COMPANY OF AMERICA	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	486
	AMERASIA TECHNOLOGY INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	AMERICAN COMPOSITE TECH	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	ANALOG DEVICES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	351
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	40
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	632
	APPLICATIONS RESEARCH CORP	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	APPLIED RESEARCH CORPORATION	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	55
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,210
	APPLIED RSCH ASSOCIATES, INC	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	61
	APPLIED SCIENCES INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	74
	APTEK INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,698
	ASTRO INNOVATIONS INC	Penn	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	269 51
	STATE TOTAL				320
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	500
	ASTROSYSYSTEMS INC	Delaware	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	51
	ATLANTIC RESEARCH CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	212
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	330
	CONTRACTOR TOTAL				542
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	83

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	AUSTIN RESEARCH ASSOCIATES	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	\$ 259
	AUTOMATED SCIENCES GROUP INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,834
		Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	650
	CONTRACTOR TOTAL				5,484
	AUTONOMOUS TECHNOLOGIES CORP	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	56
	AVCO CORPORATION	Mass	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	527 3,329
	STATE TOTAL				3,856
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	8,205
	BABCOCK & WILCOX COMPANY	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	BALL CORPORATION	Colorado	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	800 700
	STATE TOTAL				1,500
	BARNES ENGINEERING COMPANY	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	571
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	148
	BDM CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,955
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	585
		Virginia	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,246 125
	STATE TOTAL				10,371
	CONTRACTOR TOTAL				17,911
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,016
		Washington	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	140,541 107,153
	STATE TOTAL				247,694
	CONTRACTOR TOTAL				249,710
	BOOZ ALLEN & HAMILTON INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,100

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	113
	BRITISH AEROSPACE NAVAL ELECTR	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	300
	BUSINESS TCHNOLOGICAL SYSTEMS	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	291
	CALSPAN CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	112
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	111
	CAS INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	168
	CASTLE TECHNOLOGY CORP	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CERAMATEC INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CLEMSON UNIVERSITY	S Carolina	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COLEMAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,820
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	325
	CONTRACTOR TOTAL				3,145
	COLSA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	24,693
	COMPUTATIONAL MECHANICS	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,422
	CONTROL DATA CORPORATION	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,052
	CORIOLIS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COSYDE GIE	FRANCE	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,123
	CREARE RESEARCH & DEVELOPMENT	N.H.	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	267
	CREARE, INC	N.H.	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50 50
	STATE TOTAL				100
	DAMASKOS INC	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	DEACON RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	56

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	DEF RSCH TECHNOLOGIES, INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	70
	DELTA RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,572
	DRAPER CHARLES STARK LAB INC	Mass	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	8 531 23,332
		STATE TOTAL			31,863
	DWA COMPOSITE SPECIALITIES INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	DYNACS ENGINEERING CO	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	DYNETICS INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,098
	E C CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	230
	E-O PRODUCTS CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	47
	E-TEK DYNAMICS INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
	EAGLE-PICHER INDUSTRIES INC	Missouri	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	244
	EHRENPREIS DAVID B	New Jersey	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	314
	ELECTRO MAGNETIC PROCESSES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	36
	ELECTRO-MAGNETIC APPLICATION	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	39-
	ELECTRO-OPTIK CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	337
	ELECTROMAGNETIC LAUNCH RES	Mass	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	900 250
		STATE TOTAL			1,150
	ELECTRONIC DECISIONS INC	Illinois	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	236
	ELECTROSTATIC TECHNOLOGY INC	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	61
	ENERGY COMPRESSION RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	369
	FAIRCHILD WESTON SYSTEMS INC	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	839
	FIBER MATERIALS INC	Maine	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	450

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	FORD AEROSPACE	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,551
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	351
	FRONTIER ENGINEERING INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	155
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	G T E LABORATORIES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	273
	G. T. DEVICES, INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	511
	GA TECHNOLOGIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	789
	GENERAL APPLIED SCIENCE	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	55
	GENERAL DYNAMICS CORPORATION	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	139 60
	STATE TOTAL				199
	CONTRACTOR TOTAL				60
	GENERAL ELECTRIC COMPANY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	259
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	194
	CONTRACTOR TOTAL				2,415
	GENERAL MOTORS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,609
	GENERAL RESEARCH CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	870
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,386
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	736
	CONTRACTOR TOTAL				990
	GEOMET INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	12,112
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	60 7,461 130
	STATE TOTAL				7,591
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,163

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	GTE PRODUCTS CORP DEL CORP	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	84
	H R TEXTRON INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	434
	HARRIS CORPORATION	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	167
	HERCULES INCORPORATED	Utah	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	500
	HONEYWELL INC	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,243
		Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,252
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
			STATE TOTAL		3,352
	CONTRACTOR TOTAL				8,595
	HUGHES AIRCRAFT COMPANY	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	254
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	8,472
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,689
			STATE TOTAL		12,161
	CONTRACTOR TOTAL				12,415
	HYBERSONICS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	HYDROGEN CONSULTANTS INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	58
	I A P RESEARCH INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	737
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	308
	IMAGING SCIENCE TECHNOLOGIES	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	INTELLIGENT AUTOMATION, INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	56
	INTERMAGNETICS GENERAL CORP	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	33
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	465
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	301
	CONTRACTOR TOTAL				766
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	490

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	IONIC ATLANTA INCORPORATED	Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	80
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	230
	JAYCOR	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	JOHN L. MCDANIEL ENTERPRISES, INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	KAISER AEROSPACE & ELEC CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	KAMAN SCIENCES CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	505
		Colorado	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,377 143
	CONTRACTOR TOTAL			STATE TOTAL	5,520
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	L GARDE INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,225
	LASER SCIENCE, INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,380
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	6,305
	LITTON INDUSTRIES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	238
	LITTON SYSTEMS INC	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	352 1,203
	CONTRACTOR TOTAL			STATE TOTAL	1,555
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	313
	LOCKHEED MISSILES & SPACE CO	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,868
		California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	719 110,607 3,246
	CONTRACTOR TOTAL			STATE TOTAL	113,853
		New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,000
	CONTRACTOR TOTAL				119,572

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	
AC23 (CONTINUED)					
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	\$ 26,771 15,721
	STATE TOTAL				42,492
	M M R TECHNOLOGIES, INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	249
	MAINSTREAM ENGINEERING CORP	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	MARK RESOURCES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	358
	MARTIN MARIETTA CORPORATION	Colorado	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,542 2,446
	STATE TOTAL				3,988
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	40-
	CONTRACTOR TOTAL				3,948
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	78
	MATERIAL MODIFICATIONS INC	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	59
	MATERIALS TECHNOLOGIES CORP	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	MAXWELL LABORATORIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	488
	MAYO FOUNDATION	Minnesota	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,025
	MC DONNELL DOUGLAS CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	807
		California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	90,399 7,276
	STATE TOTAL				97,675
		Missouri	ARMY NAVY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,157 168 1,914
	STATE TOTAL				3,239
	CONTRACTOR TOTAL				101,721
	MEMISTOR CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	MESSERSCHMITT-BOELKOW BLOHM	GERMANY, F	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,148
	MILLITECH CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	MISSION RESEARCH CORPORATION	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	263 102
	CONTRACTOR TOTAL				365
	MORTON THIOKOL INC	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	795
	MOTOROLA INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,160
	NATIVE AMERICAN SERVICE ASSN	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,066
	NETWORK SOLUTIONS INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	27,293
	NICHOLS RESEARCH CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	440
		Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,319
	CONTRACTOR TOTAL				19,058 1,185
					20,243
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,195
	CONTRACTOR TOTAL				21,438
	NORTHROP CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	541
	NUCLEAR METALS INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	775
	OPTRA INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	159
	OPTRON SYSTEMS INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	286
	P D A ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	343
	P. E. R.	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	51
	PACIFIC AMERICAN LAUNCH SVCS, I	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	400
	PATEL ENTERPRISES INCORPORATED	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,445
	PERKIN ELMER CORPORATION	Conn	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	191 323
	CONTRACTOR TOTAL				514
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	52

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
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AC23 (CONTINUED)

PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	68
PLESSEY RADAR LIMITED	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	500
POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	433
QUANSCAN INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	50
R & D ASSOCIATES	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	125
	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	270
CONTRACTOR TOTAL					395
RAYMOND ENGINEERING INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	5,700
RAYTHEON COMPANY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	3,979
	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	35,372
		USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	207
STATE TOTAL					35,579
CONTRACTOR TOTAL					39,558
RCA CORPORATION	New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	1,700
REFRACTORY COMPOSITES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	49
REXHAM CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	1,199
ROBBINS COMPANY THE	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	100-
ROCKCOR INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	255
ROCKWELL INTERNATIONAL CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	150
	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	15,587
		USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	125,839
STATE TOTAL					141,426
CONTRACTOR TOTAL					1,292
RYAN ASSOCIATES INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	266
	Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	143,134
	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV	DEVEL	83

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	S SYSTEMS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,360
	S T RESEARCH CORPORATION	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	97
	SANDERS ASSOCIATES INC	N.H.	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	81
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	223
	SAXPY COMPUTER CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	47
	SCHAFER W J ASSOCIATES INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	585
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	740
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	694
		STATE TOTAL			819
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	264
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	42
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	800
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
		STATE TOTAL			1,500
	CONTRACTOR TOTAL				3,365
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	99
	SHORT BROTHERS PLC	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	223
	SIERRA MONOLITHICS, INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	SNIA BPD	ITALY	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,094
	SOFTTECH INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	110
	SOFTWARE AND ENGRG ASSOC	Nevada	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	400
	SOUTHERN METHODIST UNIVERSITY	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	134
	SOUTHERN RESEARCH INSTITUTE	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	80
	SPACE DATA CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,940
	SPACE TECH CORP	Colorado	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	147

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)	SPARTA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,677
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,947
		USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,233	
	STATE TOTAL				8,180
		Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	58
	CONTRACTOR TOTAL				10,915
	SPECTRAL SCIENCES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	134
	SPERRY CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
		Minnesota	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	636
	CONTRACTOR TOTAL				1,336
	SPIRE CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,168
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,976
		California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	158
	CONTRACTOR TOTAL				4,134
	SUPERCON INCORPORATED	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	75
	SYSTEM DEVELOPMENT CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,754
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	509
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	286
	SYSTOLIC SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	178
	TECHNICAL & MGT SVCS CORP	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	45
	TECHNO-SCIENCES INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	57
	TECHNOLOGY DEVELOPMENT CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,030
	TELEDYNE BROWN ENGINEERING	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	161
	TELEDYNE INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	71,500
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC23 (CONTINUED)					
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	181
	TEXTRON INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	34-
	TRACOR INC	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,341
	TRW INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	21,945
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	14,880
		USAF	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,195
	STATE TOTAL				19,075
	CONTRACTOR TOTAL				41,020
	UNITED INTERNATIONAL ENGRG	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	475
		New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,265
	CONTRACTOR TOTAL				1,740
	UNITED SPACE BOOSTERS INC	Alabama	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	217
		Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,845
	CONTRACTOR TOTAL				6,062
	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	75
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	113
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,218
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	26
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	570
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	395
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	611
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,516
		USAF	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	428
	STATE TOTAL				2,944

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	\$ 150
	VALLEY ENGINEERS INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	385
	VANDERBILT UNIVERSITY THE	Tennessee	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	VANGUARD RESEARCH INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	VISTA RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	203
	WEST VIRGINIA UNIVERSITY	W Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	300
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	178
		Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,300
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,892
	CONTRACTOR TOTAL				5,370
	XONTECH INC	California	ARMY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,785 3,566
	STATE TOTAL				5,351
	R&D TOTAL				1,233,523
AC24	ACUREX CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	832
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	108,849
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	400
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	986
	AVCO CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	14,191
	BATTELLE MEMORIAL INSTITUTE	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	163
	BDM CORPORATION	Virginia	NAVY USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	205 1,629
	STATE TOTAL				1,834
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	678
		Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	160,738
	CONTRACTOR TOTAL				161,416
	CTA INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,149

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC24 (CONTINUED)

DBA SYSTEMS INC	Florida	ARMY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL	\$	1,400
DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		77,688
		USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		9,256
		STATE TOTAL					86,944
DYNAMICS RESEARCH CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		450
E G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		1,035
EARTH TECHNOLOGY CORPORATION	California	USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		26,374
ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		1,077
FMC CORPORATION	Minnesota	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		410
FORD AEROSPACE	California	ARMY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		7,048
		NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		9,390
		STATE TOTAL					16,438
FREQUENCY ELECTRONICS INC	New York	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		82
GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		577
		NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		25,814
		STATE TOTAL					26,391
CONTRACTOR TOTAL	Conn	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		292
GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		26,683
	Penn	USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		22,039
		STATE TOTAL					53,392
CONTRACTOR TOTAL	New York	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		75,431
GENERAL INSTRUMENT CORP DEL	California	USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		1,209
GEODYNAMICS CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		1,555
GTE PRODUCTS CORP DEL CORP	Utah	NAVY	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		4,774
HERCULES INCORPORATED		USAF	RDTE/MISSILE AND SPACE	SYSTEMS-ENGR	DEVEL		215
		STATE TOTAL					86,377
		STATE TOTAL					86,592

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	HEXCEL CORPORATION	Georgia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	\$ 662
	HONEYWELL INC	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	3,782
		Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	14,808
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,284
	CONTRACTOR TOTAL				20,874
	HUGHES AIRCRAFT COMPANY	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	36-
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	187,072
	STATE TOTAL				187,036
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	6,662
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	167,371
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	11,006
	STATE TOTAL				185,039
	CONTRACTOR TOTAL				372,075
	INTELLISYS INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	604
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	351
		Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,477-
	CONTRACTOR TOTAL				2,126-
	INTERSTATE ELECTRONICS CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	31,010
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	3,078
	STATE TOTAL				34,088
	JAYCOR	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	648
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	10,702
	KERNCO INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	669
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	262
	LITTON SYSTEMS INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	8,740
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	16,378
	CONTRACTOR TOTAL				25,118
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	266,410

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC24 (CONTINUED)					
	LOGICON INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	16,584
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	59,803
	M D T INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	42,516
	MARTIN MARIETTA CORPORATION	Colorado	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	199
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	118,364
	STATE TOTAL				118,563
	CONTRACTOR TOTAL				4,061
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	122,624
	MATHEMATICAL ANALYSIS RES	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	208
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,930
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,571
		Missouri	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,188
	CONTRACTOR TOTAL				8,759
	MICROCOM CORPORATION	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	66
	MILITARY TRAINING MANTECH	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	768
	MORTON THIOKOL INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	40,178
	MOTOROLA INC	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	129
	NORTHROP CORPORATION	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,500
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	28,509
	STATE TOTAL				30,009
	NTS ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,649
	O A O CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	35
	OCEAN TECHNOLOGY INC	Rhode Islnd	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	114
	PALISADES GEOPHYSICAL INST	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	494
	RAYTHEON COMPANY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	35-
		Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	20,198

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	CONTRACTOR TOTAL				
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	302,772
		Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	887
	CONTRACTOR TOTAL				323,857
	ROYAL NORWEGIAN NAVAL MATERIAL	NORWAY	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	323,822
	SC & A INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	20,383
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	19,286
	SINGER COMPANY THE	New Jersey	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	39,669
	SIPPICAN INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	15,621
	SONATECH INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	76
	SPERRY CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,940
	SYNETICS CORPORATION	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,483
	SYSTEMS & LOGISTICS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	988
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	832
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	89,283
	CONTRACTOR TOTAL				850
	TECOLOTE RESEARCH INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,297
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	129
	TEXAS INSTRUMENTS INCORPORATED	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,517
		Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,646
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	831
	CONTRACTOR TOTAL				44
					16,555
					2,790
					5,664
					8,454
					25,009

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC24 (CONTINUED)					
	TITAN CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	333
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	205,389
	UNISYS CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	23,955
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	280-
	VEDA INCORPORATED	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,632
	VITRO CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,656
	WALTER DORWIN TEAGUE INC	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	356
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	43
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	28,413
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	49,639
					78,052
					2,495,653
	STATE TOTAL				
R&D TOTAL					
AC25	AEROMET INC	Oklahoma	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	5,380
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	91
	ANALYTIC SCIENCES CORP	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	5,596
	ATLANTIC RESEARCH CORPORATION	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	344
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	65,075
	GENERAL DYNAMICS CORPORATION	Rhode Isld	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	69
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	355
	HARRIS CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	34,093
		Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	47
		Nebraska	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	97
	CONTRACTOR TOTAL				34,237
	HUGHES AIRCRAFT COMPANY	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	56
		California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,983
	CONTRACTOR TOTAL				2,039

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC25 (CONTINUED)					
	INTEGRAL SYSTEMS INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	\$ 1,195
	J W P COMMUNICATIONS MFG CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	3,280
	KAMAN SCIENCES CORPORATION	Colorado	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	4,972
	KENTRON INTERNATIONAL	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	7,061
	LORAL ROLM MIL-SPEC COMPUTERS	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	49
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,472,221
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,400
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	4,999
	CONTRACTOR TOTAL				1,478,620
	MC DONNELL DOUGLAS HELICOPTER	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	43
	MICRODYNE CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	111
	MILTOPE CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	31
	NORTHROP CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,989
	O A O CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,624
	OHIO STATE UNIVERSITY	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	100
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	268
	RAYTHEON COMPANY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	2,000
	RCA CORPORATION	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	9,760
	ROCKWELL INTERNATIONAL CORP	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	2,462
	SCIENCE APPLICATIONS INTL CORP	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	667
	SPACE COMMUNICATION COMPANY	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	36,325
	SPARTA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,180
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	312
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,778
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	133
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	14,747

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC25 (CONTINUED)					
	VERAC INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	231
	VITRO CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	445
		Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,083
	CONTRACTOR TOTAL				1,528
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	35
	R&D TOTAL				1,683,687
AC26	ACTA INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	AEROMET INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	500
	AMPARO CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	174
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	61
	APPLIED TECHNOLOGY ASSOCIATES	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	183
	APTEK INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	289
	ARIAS RESEARCH ASSOCIATES,	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	372
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	239
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	440
		Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	486
	CONTRACTOR TOTAL				926
	B D SYSTEMS INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	594
	BELTRAN ASSOCIATES INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	220
	BIOMAGNETIC TECHNOLOGIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	60
	COBBS ENGINEERING INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	43
	CORDEC CORPORATION	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	300
	CREARE RESEARCH & DEVELOPMENT	N.H.	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	113-
	CREARE, INC	N.H.	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	223
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	170

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC26 (CONTINUED)					
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	120
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	49
	ENFITEK INC	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	95
	EPSILON LAMBDA ELECTRONICS	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
	EXTREL CORPORATION	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	225
	FAIL-SAFE TECHNOLOGY CORP	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	46
	FAILURE ANALYSIS ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	99
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	171
	FLOWDRILL CORP	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	294
	FOSTER CONSULTING CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	644
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	677
	FOWLER-MULLIN ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	72
	GENERAL SCIENCES INC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	204
	GIGABIT LOGIC INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	51
	HOLLANDER ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	72
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	ITE INC	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	150
	JASON ASSOCIATES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	914
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	124
	KENTRON INTERNATIONAL	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	10,942-
	L B & M ASSOCIATES INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	253
	L SYSTEMS INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	226
	MACHINE DESIGN ENGINEERS INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	302
	MARTIN MARIETTA CORPORATION	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	28,559
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC26 (CONTINUED)					
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	151
	MULTISPEC CORPORATION	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	1,111
		Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	1,549
		Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	CONTRACTOR TOTAL				2,710
	OPTISENSORS INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	49
	P D A ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	399
	PERCEPTICS CORPORATION	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	198
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	53
	CONTRACTOR TOTAL				251
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	491
	PHYSICS-MATHEMATICS COMPUTER	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	383
	QUANTEX CORPORATION	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	260
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	456
	REKENTHALER TECHNOLOGY ASSOC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	168
	RIVERSIDE RESEARCH INSTITUTE	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	627
	RIZZO PAUL C ASSOCIATES INC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	298
	ROBBINS COMPANY THE	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
	SACH SINHA & ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	404
	SCHAFER W J ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	64
	SCIENCE & ENGINEERING ASSOC	Nebraska	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	325
	CONTRACTOR TOTAL				373
	SHULTZ RICHARD E	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	446

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC26 (CONTINUED)

SILICON DESIGNS INC	Washington	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	\$	58
SPARTA INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		861
SPECTRAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		108
SRS TECHNOLOGIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		199
SUNBURST RECOVERY INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		170
SUNOL SCIENCES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		195
SUSQUEHANNA RESOURCES ENVRNMNT	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		64
TAYLOR DEVICES INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		199
TECHNICAL SYSTEMS INC	Michigan	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		1,025
TECHNOLOGY DEVELOPMENT ASSOC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		196
TERO TEK INTERNATIONAL INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		320
TERRA TEK INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		50
TOYON RESEARCH CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		367
TRIANGLE RESEARCH & DEV CORP	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		67
VERAC INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		123
VISTA RESEARCH	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		49
WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		50
XONTECH INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP		50
R&D TOTAL					38,623
AC31 APPLIED MATHEMATICS INC	Conn	NAVY	RDTE/SHIPS - RESEARCH		49
I I T RESEARCH INSTITUTE	Oklahoma	NAVY	RDTE/SHIPS - RESEARCH		56
INSL INC	Texas	NAVY	RDTE/SHIPS - RESEARCH		28
INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/SHIPS - RESEARCH		2,042
LAQUE CTR FOR CRRSION TCHNOLOGY	N Carolina	NAVY	RDTE/SHIPS - RESEARCH		552
MARITECH INCORPORATED	Penn	NAVY	RDTE/SHIPS - RESEARCH		55

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC31 (CONTINUED)					
	MILCOM SYSTEMS CORPORATION	Virginia	NAVY	RDTE/SHIPS - RESEARCH	150
	OAK RIDGE NATIONAL LABS	Tennessee	NAVY	RDTE/SHIPS - RESEARCH	80
	SIG PRO SYSTEMS INC	California	NAVY	RDTE/SHIPS - RESEARCH	214
	U S DEPARTMENT OF COMMERCE	Colorado	NAVY	RDTE/SHIPS - RESEARCH	140
	WAGNER DANIEL H ASSOCIATES	California	NAVY	RDTE/SHIPS - RESEARCH	48
	R&D TOTAL				3,414
AC32	A A I CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	2,054
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	364
	ARTECH CORP	Virginia	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	147
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	415
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,152
		Virginia	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	87
	CONTRACTOR TOTAL				1,239
	COMPOSITEK ENGINEERING CORP	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	90
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	185
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	674
	FAILURE ANALYSIS ASSOCIATES	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	49
	FMC CORPORATION	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	40
	GARNETT CORP	Oklahoma	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	37
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	106,486
	HYDRODYNAMICS RESEARCH ASSOC	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	40
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,322
	JOHN DEERE COMPANY	New Jersey	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	110
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	48
	MANVILLE SALES CORP	Colorado	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	81

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC32 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	\$ 452
	MICROALLOYING INTERNATIONAL	Texas	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	32
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	123
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	300
	TRACOR-HYDRONAUTICS, INC	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	356
	U S B I CO	Alabama	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	130
	UNIVERSITY OF MIAMI INC	Florida	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	101
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	320
	V T E C LABORATORIES INC	New York	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	306
	VITRO CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	20,077
	WESTINGHOUSE ELECTRIC CORP	Ohio	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,497
		Penn	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	635
	CONTRACTOR TOTAL				2,132
R&D TOTAL					137,710
AC33	A A I CORPORATION	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,746
	AMERASIA TECHNOLOGY INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	48
	APPLIED ORDNANCE TECHNOLOGY	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	500
	AQUA-CHEM INC	Wisconsin	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	153
	ARGUS RESEARCH CORP	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	125
	ATLANTIC RESEARCH CORPORATION	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	85
	CENTRA TECHNOLOGY INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
		Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	47
	CONTRACTOR TOTAL				96
	CONSULTANTS & DESIGNERS INC	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	93
	CUSHING VINCENT J	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC33 (CONTINUED)					
	DEERE JOHN TECHNOLOGIES INTL	New Jersey	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	10,788
	DIGITAL EQUIPMENT CORPORATION	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	977
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
		Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	6,973
	CONTRACTOR TOTAL				7,080
	ENERGY COMPRESSION RESEARCH	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,295
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	705
	FIBER MATERIALS INC	Maine	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	85
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	57,800
	GENERAL ELECTRIC COMPANY	Florida	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	436
		Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	280
		New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	18,927
		Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	124
	CONTRACTOR TOTAL				19,767
	GEO-CENTERS INC	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	745
	HALE FIRE PUMP CO	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	900
	HERCULES INCORPORATED	Utah	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	64
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,111
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	18,953
	MANTECH INTERNATIONAL CORP	New Mexico	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	230
	MATERIAL & ELECTROCHEMICAL	Arizona	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	463
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	495
	MINIGRAPH INC	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	368

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC33 (CONTINUED)					
	MSNW INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	\$ 460
	POLATOMIC INC	Texas	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	500
	QUANTUM COMPOSITES INC	Michigan	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	48
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	125
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
	SENSIS CORPORATION	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	SOMAT CORPORATION	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	250
	SPERRY CORPORATION	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	5,585
	STRUCTURAL DYNAMICS RES CORP	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	99
	SYNETICS CORPORATION	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	SYSTEM PLANNING CORPORATION	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	379
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	71
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	100
	VECTOR MICROWAVE RESEARCH	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	47
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	3,814
	WEIDLINGER ASSOCIATES INC	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	170,106
	R&D TOTAL				306,767
	AC34 ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,033
	APPLIED HYDRO-ACOUSTICS RES	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	496
	BODENSEEWERK GERAETETECHNIK GM	GERMANY, F	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,553
	DATA-DESIGN LABORATORIES	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,530
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	815
	FACTORY MUTUAL RESEARCH CORP	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	35

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC34 (CONTINUED)					
	FAIRY HOLDINGS LTD	Penn	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	\$ 361
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	67,547
	GEODETIC SERVICES INC	Florida	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	63
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	775
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	500
	INSTITUTE OF GAS TECHNOLOGY	Illinois	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	98
	LOGICON INC	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	42
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	90
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	132
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	3,125
	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	44
	SYSTEM PLANNING CORPORATION	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	268
	T CARROLL ASSOCIATES INC	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	61
	TEXTRON INC	Michigan	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	133
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	145
	WYLE LABORATORIES	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	92
	R&D TOTAL				78,938
AC35					
	DESIGNERS & PLANNERS INC	Virginia	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	565
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	1,337
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	40
	JORGENSEN EARLE M COMPANY	Washington	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	684
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	771
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	469
	SOMAT CORPORATION	Penn	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	199
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	2,050

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC35 (CONTINUED)					
	VITRO CORPORATION	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	7,564
	R&D TOTAL				13,679
AC36	ABARIS	Nevada	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	492
	ADVANCED COMPOSITE PRODUCTS	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	79
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	1,288
		New York	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	335
	CONTRACTOR TOTAL				1,623
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	AUTOMATED ANALYSIS CORPORATION	Michigan	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	43
	CBI NA-CON INC	Penn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	17,550
		Tennessee	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	2,974
	CONTRACTOR TOTAL				20,524
	CERAMATEC INC	Utah	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	E G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	579
	GENERAL DIGITAL INDUSTRIES INC	Alabama	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	665
	GENERAL TECHNOLOGY APPLICATIONS	Virginia	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	198
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	3,063
	K-MEC	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50
	MILLITECH CORPORATION	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	46
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	QUANTIC INDUSTRIES INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	431
	ROBOCOM SYSTEMS INC	New York	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	430
	ROH INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	357
	SHORE LINE DIESEL MAINTENANCE	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	30
	SLAYEN R INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC36 (CONTINUED)					
	TRW INC	California	USAF	RDTE/SHIPS - MANAGEMENT & SUPPORT	23,923
	VITRO CORPORATION	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	496
		Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	140
	CONTRACTOR TOTAL				636
	X D B SYSTEMS INC	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50
	R&D TOTAL				53,416
AC41	CEMCOM RESEARCH ASSOC INC	Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	245
	CONCEPT ANALYSIS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	300
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	55
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	546
	GONZALEZ DESIGN ENGRNG CO*	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	500
	HODGES TRANSPORTATION INC	Nevada	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	99
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/TANK - AUTOMOTIVE - RESEARCH	500
	MICHIGAN TCHNLGAL UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	215
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	71
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	476
	WEST VIRGINIA UNIVERSITY	W Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	190
	R&D TOTAL				3,197
AC42	ABEX CORPORATION	New Jersey	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	182
	ADIABATICS INCORPORATED	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	1,529
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	ADVANCED RESOURCE DEV CORP	Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	47
	ANALYTICAL SOFTWARE INC	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	46
	ANALYTICS INCORPORATED	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	377
	APPLIED SCIENCE GROUP INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	70

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC42 (CONTINUED)					
	AUTOMATION RESEARCH CORP	Nevada	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	\$ 118
	BELTRAN ASSOCIATES INC	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	BEND RESEARCH INC	Oregon	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	57
	BKM INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	417
	CALIFORNIA RES & TECHNOLOGY	New Jersey	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	501
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	496
	CARBORIDE CORPORATION	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	177
	COLSA INC	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	210
	DATA	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	83
	DELTA INFORMATION SYSTEMS INC	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	33
	FMC CORPORATION	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	138
	FOSTER-MILLER INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	81
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	275
	GENERAL MOTORS CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	200
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	100
	HARSCO CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	710-
	HONEYWELL INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	2,109
		Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	62
		Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	95
	CONTRACTOR TOTAL				2,266
	INDUSTRIAL TECHNOLOGY INST	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	48
	MATERIAL & ELECTROCHEMICAL	Arizona	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	51
	MATERIALS MODIFICATION INC	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	49
	MATERIALS SCIENCE CORP	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	129

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC42 (CONTINUED)					
	MICHIGAN TCHNLGAL UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	48
	MICROWAVE RADIO CORP	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	300
	ODETICS INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	355
	OPTIMETRICS INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	265
	PERKIN ELMER CORPORATION	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	190
	PHOTONICS CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	144
	PRECISION ACOUSTIC DEVICES	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	200
	PRECISION COMBUSTION INC	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	QUANNAH CORP	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	SEAGULL TECHNOLOGY INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	SILICON FILMS CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	51
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	360
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	278
	SYNERTECH INC	Delaware	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	154
	TECHNICAL RESEARCH ASSOCIATES	Utah	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	290
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	52
	TRACOR MBA	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	95
	TRANSITIONS RESEARCH CORP	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	49
	TRIANGLE RESEARCH & DEV CORP	N Carolina	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	TRW INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	346
	TSI INCORPORATED	Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	47
	UNIVERSAL TECHNICAL SYSTEMS	Illinois	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	49
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	55
	URDAN INDUSTRIES (USA) INC	ISRAEL	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	125
	WEST COAST RESEARCH CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	130

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC42 (CONTINUED)					
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	\$ 4,918
	R&D TOTAL				15,821
AC43	AM GENERAL CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	39
	ARES INC	Ohio	NAVY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	691
	ARMORED VHCL TECHNOLOGIES ASSOD	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	4,505
	BOEING COMPANY THE	Washington	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	466
	CADILLAC GAGE TEXTRON INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	750
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	231
	CONTRAVES GOERZ CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	547
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	8,610
	FMC CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	7,314
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	15,926
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	6,864
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	100
	GEO-CENTERS INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	64
	GROSSMANS INC	Wisconsin	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	200-
	HAECO INC	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	47
	HANSEN ENGINE CORPORATION	Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	205
	HARSCO CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	6,880
	KAMAN INSTRUMENTATION CORP	Colorado	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	565
	KENNECOTT CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	70
	NORTHROP CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	492
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	190
	SINGE CO	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	25
	TELEDYNE INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	500

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC43 (CONTINUED)					
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	270
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	250
	R&D TOTAL				55,401
AC44	ALLIED SIGNAL INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	109
	AMETEK INC	California	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	184
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	403
	BROUGHTON, T T & SONS	UNITED KIN	NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	270
	BUNDESAMT FUER WEHRTECHNIK	GERMANY, F	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	500
	CASDE CORPORATION	California	NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	580
	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	110
		Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	200
	CONTRACTOR TOTAL				310
	CHRYSLER CORPORATION	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	1,430
	FIRE RESEARCH CORPORATION	New York	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	93
	FMC CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	82,061
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	3,155 772-
	STATE TOTAL				2,383
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	7,225
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	448
	HUTCHINSON CORPORATION	New Jersey	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	91
	MICHELIN TIRE CORP	S Carolina	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	56
	MOTOR WHEEL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	73
	PARCO ENGINEERING INC	California	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	47
	PATECELL CORP	New York	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	86

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC44 (CONTINUED)					
	PERKINS ENGINES	UNITED KIN	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	321
	RCA CORPORATION	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	61
	STANDARD PRODUCTS COMPANY THE	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	28-
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	462
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	64
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	81
	R&D TOTAL				97,310
AC45	AM GENERAL CORPORATION	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	3,266
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	140-
	CONTROL DATA CANADA LIMITED	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	383
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	157
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	16,450
	HONEYWELL INC	Minnesota	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	531
	INTERNATIONAL MICROWAVE SYS	California	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	148
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	448
	MONARCH MACHINE CORPORATION	California	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	63-
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	56
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	750
	VSE CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	6,414
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	35
	R&D TOTAL				28,435
AC51	CORVUS SYSTEMS INCORPORATED	Virginia	USAF	RDTE/WEAPONS - RESEARCH	1,393
	CREARE RESEARCH & DEVELOPMENT	N.H.	ARMY	RDTE/WEAPONS - RESEARCH	50
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/WEAPONS - RESEARCH	45
	HONEYWELL INC	Minnesota	ARMY	RDTE/WEAPONS - RESEARCH	1,811

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC51 (CONTINUED)					
	I A P RESEARCH INC	Ohio	USAF	RDTE/WEAPONS - RESEARCH	49
	I R T CORPORATION	California	USAF	RDTE/WEAPONS - RESEARCH	47
	KNOWLEDGE SYSTEMS CORP	N Carolina	ARMY	RDTE/WEAPONS - RESEARCH	50
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/WEAPONS - RESEARCH	86
	LOCKHEED CORPORATION	California	NAVY	RDTE/WEAPONS - RESEARCH	150
	MAREMONT CORPORATION	Maine	USAF	RDTE/WEAPONS - RESEARCH	4,736
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/WEAPONS - RESEARCH	140
		New Mexico	USAF	RDTE/WEAPONS - RESEARCH	112
	CONTRACTOR TOTAL				252
	MARTINGALE RESEARCH CORP	Texas	ARMY	RDTE/WEAPONS - RESEARCH	53
	METRON INC	Penn	NAVY	RDTE/WEAPONS - RESEARCH	292
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - RESEARCH	33
	NORTH TEXAS STATE UNIVERSITY	Texas	USAF	RDTE/WEAPONS - RESEARCH	96
	ODETICS INC	California	ARMY	RDTE/WEAPONS - RESEARCH	50
	PARTNERSHIPS LTD INC	New Jersey	USAF	RDTE/WEAPONS - RESEARCH	73
	POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/WEAPONS - RESEARCH	242
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/WEAPONS - RESEARCH	270
	R & D ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	50
	REMINGTON ARMS COMPANY INC	New York	ARMY	RDTE/WEAPONS - RESEARCH	1,950
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/WEAPONS - RESEARCH	200
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - RESEARCH	123
	SPARTA INC	Alabama	ARMY	RDTE/WEAPONS - RESEARCH	1,546
	SPARTON CORPORATION	Michigan	NAVY	RDTE/WEAPONS - RESEARCH	135
	SYNETIX INC	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	975
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/WEAPONS - RESEARCH	50

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC51 (CONTINUED)					
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - RESEARCH	75
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/WEAPONS - RESEARCH	75
	UNIVERSITY OF DENVER	Colorado	NAVY	RDTE/WEAPONS - RESEARCH	221
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	208
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/WEAPONS - RESEARCH	1,523
	UNIVERSITY RES ENGINEERS ASSC	California	ARMY	RDTE/WEAPONS - RESEARCH	49
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - RESEARCH	1,479
R&D TOTAL					18,437
AC52 A A I CORPORATION		Maryland	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,305
A T & T TECHNOLOGIES INC		Penn	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,625
ADVANCED REFR TECHNOLOGIES		New York	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	496
ADVANCED SCIENCES INC		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	64
ALLIED SIGNAL INC		New Jersey	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	32
APPLICATIONS RESEARCH CORP		Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	100
APPLIED RESEARCH ASSOC INC		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	303
ARES INC		Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,706
ATLANTIC APPLIED RESEARCH		Mass	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	50
AVCO RESEARCH LABORATORY INC		Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	20,400
B S T SYSTEMS INC		Conn	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	29
BDM CORPORATION		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	579
BELL HELICOPTER TEXTRON INC		Texas	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	513
BOLT BERANEK & NEWMAN INC		Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	200
COLT INDUSTRIES INC		Conn	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,447
COMPUTER SCIENCES CORPORATION		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	2,625
DEEP HOLE SPECIALISTS INC		Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	70

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	DEFENSE SYSTEMS COMPANY INC	Texas	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	\$ 79
	FORD AEROSPACE	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	46
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	720
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	190
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,000
		STATE TOTAL			4,190
	GOULD INC	Rhode Isld	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	94
	HECKLER & KOCH INC	GERMANY, F	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	2,514
	HONEYWELL INC	Minnesota	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	374
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	530
		STATE TOTAL			904
	JAYCOR	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	72
	KANSAS STATE UNIVERSITY	Kansas	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	60
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,030
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	118
	LORAL CORPORATION	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,254
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	101
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	579
		Maryland	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,805
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	36
		STATE TOTAL			4,841
	CONTRACTOR TOTAL	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	808
	MAXWELL LABORATORIES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	6,228
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	225
	CONTRACTOR TOTAL				905
					1,130

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	\$ 135
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	269
		California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	449
	CONTRACTOR TOTAL				718
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	250
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	939
	STATE TOTAL				1,189
	MOTOROLA INC	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	814
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	377
	NORTHROP CORPORATION	California	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	93
	ODETICS INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	272
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	40
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	70
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	350
	CONTRACTOR TOTAL				420
	RAYTHEON COMPANY	Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,470
	REMINGTON ARMS COMPANY INC	New York	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	54
	ROCKWELL DEL INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	279
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	296
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,587
	CONTRACTOR TOTAL				1,883
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	637
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	65
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	202
	SPARTA INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	597
	SPECTRA TECHNOLOGY INC	Washington	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	210

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	SRI INTERNATIONAL	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	\$ 55
	STEYR-DAIMLER-PUCH AG	AUSTRIA	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,693
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	505
	TELEFLEX INCORPORATED	Penn	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	358
	TRW INC	California	NAVY USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	75 1,024
	STATE TOTAL				1,099
	Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT		32
	CONTRACTOR TOTAL				1,131
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	617
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	582
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	965
	UNIVERSITY OF IDAHO	Idaho	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	40
	UNIVERSITY OF KENTUCKY	Kentucky	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	100
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,909
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	800
	VERAC INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	469
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	136
	R&D TOTAL				71,899
AC53	A T & T TECHNOLOGIES INC	Penn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,399
	ACUREX CORPORATION	Ohio	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,889
	AERODYNE PRODUCTS CORPORATION	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	47
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,705
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	85
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,963

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	\$ 10,772
	BALL CORPORATION	Colorado	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	31,640
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	553
	CONTRACTOR TOTAL				32,193
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,548
	BOEING COMPANY THE	Alabama	ARMY USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT RDTE/WEAPONS - ADVANCED DEVELOPMENT	158 2,568
		STATE TOTAL			2,726
		Washington	NAVY USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT RDTE/WEAPONS - ADVANCED DEVELOPMENT	81,657 584
		STATE TOTAL			82,241
	CONTRACTOR TOTAL				84,967
	BOLT BERANEK & NEWMAN INC	Mass	NAVY USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,771 200
		STATE TOTAL			2,971
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	723
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	7,956
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	40
	EAGLE TECHNOLOGY INC	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	143
		Virginia	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	486
	CONTRACTOR TOTAL				629
	FORD AEROSPACE	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	36
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	280
	GENERAL ELECTRIC COMPANY	Penn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,534
	HARRIS CORPORATION	Florida	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,611
	HERCULES INCORPORATED	Utah	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	200

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	HONEYWELL INC	Arizona	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	\$ 1,028
		Minnesota	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	926
	CONTRACTOR TOTAL				1,954
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	8,615
	I R T CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	612
	KAMAN CORPORATION	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	19,931
	KEMP CORPORATION	Tennessee	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	46
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	192
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	298
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	7,235
	LORAL CORPORATION	Ohio	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,725
	MAREMONT CORPORATION	Maine	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	127
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	930
		Florida	ARMY USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT RDTE/WEAPONS - ADVANCED DEVELOPMENT	75,870 160
	STATE TOTAL				76,030
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,216
	CONTRACTOR TOTAL				79,176
	MAXWELL LABORATORIES INC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	703
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,429
		Missouri	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	4,905
	CONTRACTOR TOTAL				8,334
	MICRONICS INTERNATIONAL, INC	California	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	493
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	145
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	318

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC53 (CONTINUED)	CONTRACTOR TOTAL				
	MORTON THIOKOL INC	Utah	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	463
	MOTOROLA INC	Arizona	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,930
	NEW MEXICO STATE UNIVERSITY	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,976
	NORTHROP CORPORATION	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	89
	P C O INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,536
	PACIFIC CRYOGENICS	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	208
	PARKS ASSOCIATES	Virginia	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	225
	PERKIN ELMER CORPORATION	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	199
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,810
	PHYSICON INC	Alabama	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	128
	PRESEARC INCORPORATED	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	50
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	168
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	358
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,680
	CONTRACTOR TOTAL				6,883
	RASOR ASSOCIATES, INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	8,563
	RCA CORPORATION	New Jersey	NAVY USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT RDTE/WEAPONS - ADVANCED DEVELOPMENT	98
		STATE TOTAL			3,000
		New York	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,516
	RIVERSIDE RESEARCH INSTITUTE	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	5,516
	ROCKWELL INTERNATIONAL CORP	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	80
	CONTRACTOR TOTAL				1,151
	S SYSTEMS CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	14,064
					15,215
					425

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)	SCHAFER W J ASSOCIATES INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	\$ 2,206
	SCHOTT GLASS TECHNOLOGIES INC	GERMANY, F	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,097
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	210
	SCIENCE APPLICATIONS INTL CORP	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	163
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	27
	SPARTA INC	California	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	49
		Virginia	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	505
	CONTRACTOR TOTAL				554
	SPECTRA DIODE LABORATORIES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	999
	SPERRY CORPORATION	Arizona	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	272
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,565
	SYSTEM DEVELOPMENT CORPORATION	Virginia	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	414
	TELEDYNE INC	Alabama	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	224
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	559
	TEXTRON INC	New York	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	800
	TRW INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	43,734
	UNISYS CORPORATION	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	330
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	570
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,558
		Florida	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,024
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	108
	CONTRACTOR TOTAL				3,690
	UNIVERSITY OF MINNESOTA	Minnesota	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	40
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	139
	VARIAN ASSOCIATES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	385

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC53 (CONTINUED)					
	VERAC INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,676
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	79
	WESTINGHOUSE DEFENSE ELECT DI	Maryland	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,000
	R&D TOTAL				397,759
AC54	ANALYTIC SCIENCES CORP	Florida	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,085
		Mass	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	200
	CONTRACTOR TOTAL				1,285
	AQUIDNECK MGT ASSOC LTD	Rhode Islid	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	137
	AVCO CORPORATION	Mass	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	10,177
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	169
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	2,061
	BOEING COMPANY THE	Texas	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	54
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	104
	COMPUTER SOFTWARE ANALYSTS	Virginia	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	375
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	3,409
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	250
	EATON CONSOLIDATED CONTROLS	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	408
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	17,864
	GENERAL ELECTRIC COMPANY	Nebraska	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	233
		New York	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	396
	CONTRACTOR TOTAL				629
	GREEN INTERNATIONAL WEST INC	California	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	84
	GRUMMAN AFROSPACE CORPORATION	New York	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	8,787
	HARSCO CORPORATION	Penn	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	30,459
	HONEYWELL INC	Minnesota	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	100,636

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC54 (CONTINUED)					
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	329,457
	KAMAN SCIENCES CORPORATION	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,223
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,341
	CONTRACTOR TOTAL				2,564
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	227
	LORAL CORPORATION	Ohio	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	29,242
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	212
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	149
	CONTRACTOR TOTAL				361
	MOTOROLA INC	Arizona	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	260
	NATIONAL FORGE COMPANY	Penn	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,780
	NATIONAL SEMICONDUCTOR CORP	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	273
	ORION INTL TECHNOLOGIES	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	706
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	90
	SONALYSTS INC	Conn	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	150
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	135
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	420
	TECH REPS INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	
	TECOLOTE RESEARCH INC	Virginia	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	80
	TRW INC	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	576
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	45-
	CONTRACTOR TOTAL				531
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	829
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,440
	VER-VAL ENTERPRISES INC	Florida	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	48-

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC54 (CONTINUED)					
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	116
	WRIGHT-MALTA CORP	New York	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	234
	YEA INC	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	40
	R&D TOTAL				545,775
	AC55 BAIRD CORPORATION	Mass	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	280
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,726
	BOEING COMPANY THE	Washington	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	427
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	45
	CADILLAC GAGE TETRION INC	Michigan	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	93
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	160
	DEFENSE SYSTEMS INC	Virginia	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	31
	FLIGHT SYSTEMS INC	California	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	258
	CONTRACTOR TOTAL	New Mexico	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	98
					356
	HONEYWELL INC	New Mexico	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	2,538
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	88
	INTERACTIVE	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	49
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	27,673
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	317
		New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	42
	CONTRACTOR TOTAL				359
	NUCLEAR METALS INC	Mass	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	76
	PHYSICAL OPTICS CORP	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	47
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	133
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,894

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC55 (CONTINUED)					
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	276
	STATE OF OKLAHOMA	Florida	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,983
	TRW INC	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	50
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	85
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	307
	VARO ELECTRO OPTICS INC	Texas	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	100
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	478
	R&D TOTAL				39,254
AC56	ANADIGICS INC	New Jersey	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	264
	APTEK INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	119
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	1,151
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	1,017
	COMPUTATIONAL MECHANICS	Texas	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	286
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	DESIGN ENGINEERING INC	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	175
	DISPLAYTECH INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	E-TEK DYNAMICS INC	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	49
	GEOTECHNICS INC	Ohio	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	INNOVATIVE SCIENCES INC	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	40
	LOCKHEED CORPORATION	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	3,328-
	MERIDIAN CORPORATION	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	175
	MOLECULAR TECH INC	Mass	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47
	MOUNTAIN OPTech INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC56 (CONTINUED)					
	P I INCORPORATED	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	304
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	190
	PHYSICS-MATHEMATICS COMPUTER	New Mexico	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	359
	POLYTRONIX INC	Texas	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	49
	RAYTHEON COMPANY	Mass	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	43
	ROCKWELL INTERNATIONAL CORP	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	83
	STANFORD TELECOMMUNICATIONS	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	52
	STATCON INC	Maryland	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	151
	SYNERGISTIC DETECTOR DESIGNS	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	SYNTEK ENGRG COMPUTER SYSTEMS	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	TEMPLE RESEARCH LABS	Louisiana	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	52
	TRACOR APPLIED SCIENCES INC	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	169
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	129
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	76
	VISTA RESEARCH	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	2,959
	R&D TOTAL				5,049
	AC61 A T & T TECHNOLOGIES INC	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	15,172
	ADVANCED FIBEROPTICS CORP	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250
	ADVANCED OPTICAL SYSTEM	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	ADVANCED TECHNOLOGY SYSTEMS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	320
	AEL INDUSTRIES INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	139
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	202
	STATE TOTAL				341
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	114

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC61 (CONTINUED)

AMHERST SYSTEMS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	\$	433
ANADIGICS INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		496
ANALYTIC SCIENCES CORP	Mass	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH		257 170
		STATE TOTAL			427
ANALYTICS INCORPORATED	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		43
APPLIED BIOMEDICAL CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		170
APPLIED TECHNOLOGY ASSOCIATES	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		50
ARKADY ASSOCIATES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		219
ASTRON CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		200
ATLANTIC AEROSPACE ELECTRONICS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		1,283
AVCO RESEARCH LABORATORY INC	Mass	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH		650 340
		STATE TOTAL			990
BALL CORPORATION	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		155
BATTERY INTERNATIONAL INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		50
BK SECURITY INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		49
BOEING COMPANY THE	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		593
BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		2,232
BUSINESS TECHNOLOGICAL SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		136
C K C INDUSTRIES INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		63
CALIFORNIA INST OF TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		493
CENTER FOR REMOTE SENSING	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		48
COMBUSTION ENGINEERING INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		3,174
COMMAND SYSTEMS GROUP INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		190
COMPUTER SCIENCES CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH		257

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC61 (CONTINUED)					
	CONTROL DATA CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	281
	COPROCESSOR CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	101
	CORVUS SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	453
	DATA SYSTEMS ANALYSTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	DIGITAL RADIO CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	102
	DISPLAYTECH INC	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	E J & G INC	Nevada	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	4,283
	E I C LABORATORY INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	E-SYSTEMS INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	490
	ELECTRO MAGNETIC APPLICATIONS,	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	ENERGY SCIENCE LABORATORIES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	EOS TECHNOLOGIES INC	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	EXIDE ELECTRONICS GROUP INC	N Carolina	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	113
	EXPERT EASE SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	FAIRCHILD INDUSTRIES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	125
	FERMIONICS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	175
	FIBERTEK INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,300
	FLAM & RUSSELL INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	FORD AEROSPACE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	327
	GAERTNER W W RESEARCH INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	150
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,525
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	849
	GEO-CENTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	340
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	78

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	GOLD HILL COMPUTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	\$ 100
	H-CUBED CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	249
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	4,128
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	106
		STATE TOTAL			4,234
	HYDROACOUSTICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	30
	II-VI INCORPORATED	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	290
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	57
		STATE TOTAL			347
	INSTRUMENTS, INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	41
	INTEGRATED SOFTWARE INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTEGRATED SYSTEMS RSCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTERNETNAL CMPTER SPECIALISTS	Georgia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	48
	INTERSTATE ELECTRONICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,258
	INTL MOBILE MACHINES CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	ITT CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	44
		New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	408
		CONTRACTOR TOTAL			452
	JSH OPTICS	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	48
	K-MEC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	KAB LABORATORIES, INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	KUNZ ASSOCIATES INC	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	124
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	L J F CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	\$ 508
	LASER SCIENCE, INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	53
	LASER TECHNOLOGY ASSOC INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	99
	LICA SYSTEMS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	LINKNET	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	LITTON SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	450
	M/A-COM PHI INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	200
	MAC AULAY-BROWN INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	195
	MAGNAVOX COMPANY (INC)	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	26
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	9,151
	MARTIN MARIETTA CORPORATION	Maryland	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH	406 125
			STATE TOTAL		531
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	596
	MEGAPELS, INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	MICROCOM CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	251
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	38
	MSC CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	MYK TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	99
	NOISE COM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	95
	NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	120
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	109
	OREGON GRAD CNTR STUCY/RESERCH	Oregon	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	217
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC61 (CONTINUED)					
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	330
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	271
	PROGRAMMING ENVIRONMENTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	249
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	300
	QUALCOMM INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	160
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	150
	RAIL COMPANY	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	303
	RALCON	Utah	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	RAYTHEON COMPANY	Mass	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH	175 12,121
		STATE TOTAL			12,296
	REFRACTION TECHNOLOGY INC	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	352
	RHEINELEKTRA AG	GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	36
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	525
		Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,215
	CONTRACTOR TOTAL				1,740
	S C S TELECOM INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	164
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	SAN DIEGO SEMICONDUCTORS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	319
	SANDERS ASSOCIATES INC	N.H.	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH	80- 300
		STATE TOTAL			220
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	2,525
	CONTRACTOR TOTAL				2,745
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC61 (CONTINUED)					
	SCIENCE APPLICATIONS INTL CORP	Hawaii	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	41
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	463
	CONTRACTOR TOTAL				504
	SCOPE INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	231
	SEMETEX CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	55
	SENSCI CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	SOLIDLITE CORP	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	SPIRE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	64
	SRI INTERNATIONAL	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,616
	SRS TECHNOLOGIES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	STANFORD TELECOMMUNICATIONS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	39
	STATISTICAL CONSULTING ASSOC	Rhode Isld	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	199
	SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	497
	SYRACUSE RESEARCH CORP	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	45
	SYSTEMS EXPLORATION INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	57
	TEXAS INSTRUMENTS ASIA LIMITED	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	100
	TEXCOM INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	100
	TRUSTED INFORMATION SYSTEMS	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,451
	TRW INC	California	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH RDTE/ELEC & COMMUNICATION EQ - RESEARCH	217 3,375
	STATE TOTAL				3,592
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	UNISYS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	700
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	130
	CONTRACTOR TOTAL				830

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC61	(CONTINUED)				
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	80
	UNIVERSITY OF DELAWARE	Delaware	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	323
	UNIVERSITY OF FLORIDA	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	213
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	125
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	430
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	115
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	96
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	5,653
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	21,277
	UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	415
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	7,305
	VANCE SYSTEMS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	486
	VHG LABS	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	VIASAT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	XEROX CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	600
	R&D TOTAL				126,819
AC62	ADAPTIVE SENSORS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	186
	ADVANCED SYSTEMS CONCEPTS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	257
	AEROJET ORDNANCE COMPANY	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	244
	AEROSPACE MASS PRPTS ANALYSIS	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	593
	AEROVIRONMENT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	134
	ALPHA OPTICAL SYSTEMS INC	Miss	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	113
	ALTUS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ALUPOWER INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	197
	AMERICAN MANUFACTURING CORP	Louisiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	39

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)	AMPEX CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	190
	ANALOG MODULES INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	60
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	250
	APEK INC	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	65
	ARETE ASSOCIATES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	884
	ARGOTEC INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	ARTAIS INC	PUERTO RIC	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	38
	ATLANTIC RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	73
	BALL CORPORATION	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	165
	BDM CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	533
	BELL COMMUNICATIONS RESEARCH	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	57
	BELL TELEPHONE LABS INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	241
	BISTRA RESEARCH INCORPORATED	S Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	177
	BOLT BERANEK & NEWMAN INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,729
	BOOZ ALLEN & HAMILTON INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	168
	CONTRACTOR TOTAL	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	BRITISH AEROSPACE LTD	UNITED KIN	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	218
	BRUNSWICK CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	57
	C V D INCORPORATED	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	240
	CAD LANGUAGE SYSTEMS INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	281
	CALIFORNIA STATE UNIV - CHICO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
	CANADIAN COMMERCIAL CORPORATION	CANADA	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	654
	CENTURY COMPUTING INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	CLS LASER SYSTEMS INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	90
			ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	110

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STA'S	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	COLLABORATION IN SCIENCE&TECH	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	57
	COLLINS INTERNATIONAL SV CO	Iowa	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	354
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	630
	COMBUSTION ENGINEERING INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	COMMUNICATIONS ELEC INTL	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	68
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	927
	DART INDUSTRIES INC.	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	165
	DATA SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	DATUM INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	47
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	5,616
	DE LORME PUBLISHING COMPANY	Maine	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	DIGITAL RADIO CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	128
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	100
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	220
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	287
	E G & G INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
	E I C LABORATORY INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	280
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	301
	EATON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	306
	EMCORE CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ENGINEERING & ECONOMICS RES	W Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	384
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	306
	ENVIRONMENTAL RESEARCH	Michigan	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	356
	EPITAXX INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	ESL INCORPORATED	California	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	\$ 550 2,512
	STATE TOTAL				3,062
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	434
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	FIBERTEK INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	576
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	210
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,400
	GENERAL ELECTRIC COMPANY	New York	ARMY NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	820 528 605
	STATE TOTAL				1,953
	GENERAL TECHNICAL SERVICES	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	135
	GEO-CENTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	GEODYNAMICS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	476 44
	STATE TOTAL				520
	GORDON ASSOCIATES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	430
	GOULD INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	116
		Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	575
	CONTRACTOR TOTAL				691
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,580
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	387
	HARTMANN RESEARCH INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	183
	HAZELTINE CORPORATION	New York	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150 59

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	209
	HITITE MICROWAVE CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	HONEYWELL INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	158
		Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	240
		Minnesota	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	446
			ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,196
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	626
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	98
			STATE TOTAL		1,920
		Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	488
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
			STATE TOTAL		688
	HUGHES ACFT & TEXAS INSTR JV	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,294
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	400
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,753
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,016
			STATE TOTAL		5,138
		Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	657
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
			STATE TOTAL		6,095
	HYCOM INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	585
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	137
		GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	329
			STATE TOTAL		466
	INDIANA UNIVERSITY FOUNDATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	242

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	56
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	500
	INTERSPEC INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ITT CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,467
	STATE TOTAL				1,647
	CONTRACTOR TOTAL				150
	J & S SCIENTIFIC INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,797
	J R S RESEARCH LABORATORIES, JAYCOR	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	90
	L J F CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	L N R COMMUNICATIONS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	LITTON INDUSTRIES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	458
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	766
	STATE TOTAL				1,224
	LITTON SYSTEMS INC	Arizona	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	78
	CONTRACTOR TOTAL				153
	LOCKHEED ELECTRONICS CO	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	500
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	463
	LOCUS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	713
	LOGICON INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	303
	LORAL ELECTRO-OPTICAL SYSTEMS	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	188
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	5,000
	M S B SYSTEMS INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	M/A COM LINKABIT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	380
	MAGNAVOX GOVT & INDUST ELECTR	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	450
	MANATECH ASSOCIATES	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	115
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,540
		Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	397
	CONTRACTOR TOTAL				2,937
	MASSA PRODUCTS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MASSACHSETTS TECHNOLOGICAL LAB	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	250
	MAYFLOWER COMMUNICATION CO	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
		Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	247
	CONTRACTOR TOTAL				297
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	534
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	250
	MEASUREMENT CONCEPTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
	MEGAPULSE INCORPORATED	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	58
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	615
	MICRILOIR INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	MICRO MODE PRODUCTS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MICROTRONICS ASSOCIATES INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MILLITECH CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MOTOROLA INC	Arizona	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	8,242 410
	STATE TOTAL				8,652
	MULTIFLOW COMPUTER INC	Florida	JSAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	276
	NATION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,511

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	NEW ENGLAND RESEARCH CENTER	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	85
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	187
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	381
	NOISE COM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	36
	NORTHROP CORPORATION	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	36
	OPTIVISION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	955
	ORFI SYSTEMS INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	59
	ORINCON CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,339
	P C O INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	P R B ASSOCIATES INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	40
	PACER SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	255
	PACIFIC MONOLITHICS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	495
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	PEGASUS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	89
	PENN COMPUTER ASSOCIATES INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	62
	PENNWALT CORPORATION	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	65
	PERKIN ELMER CORPORATION	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,100
	PHLOGISTRONICS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PHRAXOS RESEARCH & DEV INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PIEZO SONA TOOL CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	229
	PIEZO TECHNOLOGY INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	PLANAR SYSTEMS INC	Oregon	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	775
	POLHEMUS NVGTM SCNC INC	Vermont	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	502

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	\$ 761
	PURDUE UNIVERSITY	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	QUANSCAN INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	396
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	697
	R & D ASSOCIATES	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
		Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	366
	CONTRACTOR TOTAL				516
	RADANT TECHNOLOGIES INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	521
	RAYTHEON COMPANY	Mass	ARMY USAF	RDTE/ELFC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELLC & COMMUNICATION EQ - EXPLOR DEV	62 80
	STATE TOTAL				142
		Rhode Isl	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	245
	CONTRACTOR TOTAL				387
	RCA CORPORATION	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	100
	RECON OPTICAL INC	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
	ROCKWELL INTERNATIONAL CORP	California	ARMY NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	419 1,561 325
	STATE TOTAL				2,305
	ROME RESEARCH CORP	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	213
	ROSENBAUM HAROLD ASSOCIATES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	94
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	42
	RUTGERS UNIVERSITY	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	59
	S C S TELECOM INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	369
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	160

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	SAFT AMERICA INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	60
	SANDERS ASSOCIATES INC	N.H.	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	647
	SAWYER RESEARCH PRODUCTS INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	61
	SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	67
	SCIENCE & ENGINEERING ASSOC	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	138
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	369
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	600
	CONTRACTOR TOTAL				969
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	103
	SEDCO SYSTEMS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	SIERRA NEVADA CORPORATION	Nevada	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	770
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	80
	SPARTA INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	386
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	217
	SPECIAL ILLUMINATION SYSTEMS,	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	SPIRE CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,132
	SRI INTERNATIONAL	California	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	15,225 395
	STATE TOTAL				15,620
	STANFORD TELECOMMUNICATIONS	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	STAR MICROWAVE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	STATE OF THE ART CONSULTING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	76
	STEINBRECHER CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	253
	STONEHART ASSOCIATES, INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	SUNDSTRAND DATA CONTROL INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	128

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC62 (CONTINUED)					
	SYSTEM DEVELOPMENT CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,312
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	376
	T S C INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	560
	TACAN CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	TCOM CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	42
	TECHNICAL EVALUATION RESEARCH	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	152
	TELECOMMUNICATION SCIENCE ASSOC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,697
	TELEDYNE ENERGY SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	174
	TENSION MEMBER TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	241
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	560
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,260 125
	STATE TOTAL				3,385
	TEXCOM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	THINKING MACHINES CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,197
	THOMSON-C S F COMPONENTS CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	51
	TRACOR APPLIED SCIENCES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	874
	TRW INC	California	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,458 956
	STATE TOTAL				4,414
	U T L CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	153
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	130
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	525
	UNIVERSITY OF SOUTHERN CALIF	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	120

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
AC62 (CONTINUED)				

AC62 (CONTINUED)

		USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			2,715
						2,835
		STATE TOTAL				312
	UNIVERSITY OF TEXAS SYSTEM	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			404
	VARIAN ASSOCIATES INC	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			279
	VENTANA SCIENCES INC	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			300
	VITRONICS INC	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			50
	VOLTAIX INC	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			100
	W VINTEN LIMITED	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			99
	WEST VIRGINIA UNIVERSITY	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			54
	WESTERN FILAMENT INC	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			511
	WESTINGHOUSE ELECTRIC CORP	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			6,160
		STATE TOTAL				6,671
		ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			800
		Penn				7,471
	CONTRACTOR TOTAL					39
	WHITTAKER CORPORATION	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			50
	XMCO INC	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			50
	YARDNEY CORPORATION	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			61
	ZEGER-ABRAMS INCORPORATED	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV			140,184
	R&D TOTAL					35,636
	AC63 A T & T TECHNOLOGIES INC	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			400
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			36,036
		STATE TOTAL				1,804
	ADVANCED DECISION SYSTEMS	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			300
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			2,104
		STATE TOTAL				2,556
	ALCOA DEFENSE SYSTEMS INC	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC63 (CONTINUED)

ALLIED SIGNAL AEROSPACE CO	Maryland	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$ 4,415
ALTUS CORPORATION	California	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
AMBER ENGINEERING INC	California	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	239
AMERICAN COMPUTER EDUCATOR IN	Penn	NAVY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	28
AMERICAN SYSTEMS CORPORATION	Virginia	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	46
AMHERST SYSTEMS INC	New York	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	45
ANALYTIC SCIENCES CORP	Mass	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	6,176
		USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	935
	STATE TOTAL				7,111
ANALYTICAL SYSTEMS ENGRG CORP	New York	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	147
ANALYTICS INCORPORATED	Penn	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	75
ARINC RESEARCH CORPORATION	Maryland	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,137
ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	100
	Mass	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	210
CONTRACTOR TOTAL					310
ATLANTIC RESEARCH CORPORATION	Ohio	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	360
AUTOMETRIC INC	Virginia	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	85
BALL CORPORATION	Colorado	NAVY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	250
		USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	554
	STATE TOTAL				804
BDM CORPORATION	Virginia	ARMY		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	286
		USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	126
	STATE TOTAL				412
BOEING COMPANY THE	Kansas	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	991
	Washington	USAF		RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	192
CONTRACTOR TOTAL					1,183

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$ 29
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	656 151
		STATE TOTAL			807
	BR COMMUNICATIONS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	62
	C M ENGINEERING CO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	370
	CALSPAN CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,283
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	253 197
		STATE TOTAL			450
	CARTWRIGHT ELECTRONICS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	275
	COHERENT TECHNOLOGIES INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
	COLLINS INTERNATIONAL SV CO	Iowa	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	340 88
		STATE TOTAL			428
	COMPUSEC, INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	243
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	16,418
	COMPUTER SOFTWARE ANALYSTS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	94
	COMTECH TELECOMMUNICATIONS	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	36
	CSA ENGINEERING INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	DARTMOUTH COLLEGE	N.H.	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	DATASONICS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	DAVID SARNOFF RESEARCH LABS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	355
		New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
	CONTRACTOR TOTAL				555
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	230
	DCS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	583

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC63 (CONTINUED)					
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	250
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,951
	DWA COMPOSITE SPECIALTIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	400
	E-SYSTEMS INC	Florida	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,700 2,149
	STATE TOTAL				6,849
	CONTRACTOR TOTAL				330
	EAGLE TECHNOLOGY INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	7,179
	ELECTRO RADIATION INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,588
	ELECTRO-OPTICAL INDUSTRIES INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	EMERSON ELECTRIC CO	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	153
		Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	103
	CONTRACTOR TOTAL				303
	ENGINEERING & ECONOMICS RES	W Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	39
	ENVIRON RSCH INST OF MICHIGAN	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	800
	ENVIRONMENTAL RESEARCH	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	474
	ESL INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,009
	ETM-ELECTROMATIC INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	400
	EYRING RESEARCH INSTITUTE INC	Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	144
	FLIGHT SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	394
	FORD AEROSPACE	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,159
	GCA CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	74
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,781

DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND
SERVICE CATEGORY BY C. (U) WASHINGTON HEADQUARTERS
SERVICES (DOD) DC DIRECTORATE FOR INF. 1988
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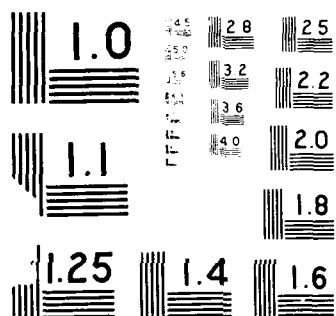
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UNCLASSIFIED

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PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC63 (CONTINUED)

GENERAL ELECTRIC COMPANY	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$	60
	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		292
	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		15,378
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		16,066
STATE TOTAL					31,444
CONTRACTOR TOTAL					31,796
GENERAL RESEARCH CORPORATION	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		26
GENERAL SIGNAL CORPORATION	Maine	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		90
GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		2,413
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,443
STATE TOTAL					3,856
GOULD INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		871
	Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		228
CONTRACTOR TOTAL					1,099
GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,743
GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		423
	GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		59
CONTRACTOR TOTAL					482
GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		45-
	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,130
CONTRACTOR TOTAL					1,085
HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		50
		NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		160
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,619
STATE TOTAL					1,829
New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP			4,543
CONTRACTOR TOTAL					6,372

PRIME CONTRACTS OVER \$25 000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	HAZELTINE CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,289
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,519
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,785
		STATE TOTAL			4,593
	HONEYWELL INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,716
		Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	131
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	868
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,391
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	26,168
		STATE TOTAL			27,559
		New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,213
					37,487
	CONTRACTOR TOTAL				
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	33,005
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	9,776
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	16,601
		STATE TOTAL			59,382
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,400
	INTERMETRICS INC	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,306
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	99
		New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,696
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	12,322
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	18,941
		STATE TOTAL			31,263
					33,058
	CONTRACTOR TOTAL				
	INTERSPEC INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	ITT CORPORATION	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	122
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	193
					315
	CONTRACTOR TOTAL				

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FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC63 (CONTINUED)					
	ITT WESTINGHOUSE JOINT VENTURE	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,115
	ITT/MARTIN MARIETTA JV	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,000
	JAYCOR	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	281
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	28-
	KOR ELECTRONICS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	55
	L J F CORP	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	49
	LAKE SHORE CRYOTRONICS INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	122
	LITTON INDUSTRIES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	70
	LITTON SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	214
		Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	476
		Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	89-
	CONTRACTOR TOTAL				601
	LOCKHEED CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	87
	LORAL CORPORATION	Arizona	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	250
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	99
	CONTRACTOR TOTAL				349
	M T L SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	100
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,825
	M/A-COM INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	74
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	140
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	345
	MARINCO COMPUTER PRODUCTS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	40
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	227
		Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	11,452
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	7,740
	STATE TOTAL				19,192

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FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
CONTRACTOR TOTAL					
	MASSACHUSETTS COMPUTER ASSOC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	229
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	19,648
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	240
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	270	
		NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	743	
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,604	
	STATE TOTAL				2,347
		Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,434
	CONTRACTOR TOTAL				5,781
	MEMTECH TECHNOLOGY CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	204
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	30
	MISSION RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	91
	MOTOROLA INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	97
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	215
	NORDEN SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	70
		Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	120
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	830	
	STATE TOTAL				950
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	52
	CONTRACTOR TOTAL				1,072
	NORTHROP CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,020
		Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	780
		USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	586	
	STATE TOTAL				1,366
	CONTRACTOR TOTAL				3,386
	ODYSSEY RESEARCH ASSOCIATES	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC63 (CONTINUED)

OPTIMETRICS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$	208
P D A ENGINEERING	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		50
P E SYSTEMS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		573
PACIFIC MONOLITHICS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		50
PACIFIC R & D INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		50
PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		700
PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		277
PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		575
PERKIN ELMER CORPORATION	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,555
PHYSICAL OPTICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		151
POWER CONVERSION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		27
PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		104
QUANTITATIVE INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		64
QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,038
	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		395
CONTRACTOR TOTAL					1,433
QUESTECH INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		50
R & D ASSOCIATES	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		363
RAYTHEON COMPANY	California	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		233 178
STATE TOTAL					411
	Mass	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		141 4,311
STATE TOTAL					4,452
CONTRACTOR TOTAL					4,863
RCA CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP		1,165

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

F&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		\$
AC63 (CONTINUED)						
	RECON OPTICAL INC	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	155
	RENSELAER POLYTECHNIC INST	New York	USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	559
	RESEARCH & DEV LABORATORIES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	1,100
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	820
			USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	470
		STATE TOTAL				1,290
	RISBERG POWER ELECTRONICS INC	Wisconsin	NAVY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	310
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	3,117
			NAVY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	257
			USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	4,990
		STATE TOTAL				8,364
	SAFT AMERICA INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	240
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	12,705
	SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	195
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	290
	CONTRACTOR TOTAL					485
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	1,027
			NAVY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	155
		STATE TOTAL				1,182
		D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	60
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	385
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	288
	CONTRACTOR TOTAL					1,915
	SCIENTIFIC SYSTEMS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	1,814
	SCOPE INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	912
			USAF	RDTE/ELEC & COMMUNICATION EQ	- ADV DEVELOP	991
		STATE TOTAL				1,903

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	SIPPICAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$ 488
	SKY COMPUTERS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	37
	SOFTECH INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	548
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	634
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	412
	CONTRACTOR TOTAL				1,594
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	93
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	108
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	526
	SPERRY CORPORATION	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	536
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,105
		Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,182
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,702
	CONTRACTOR TOTAL				8,525
	SPREAD SPECTRUM SCIENCES	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	48
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,273
	STANFORD UNIVERSITY	California	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	980 435
	STATE TOTAL				1,415
	SUNDSTRAND DATA CONTROL INC	Washington	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	40
	SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	145
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,183
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,152
	SYSTEMS TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	105
	SYSTRAN CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	T R W ELECTRONIC PRODUCTS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	\$ 168
	T S C INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	60
	TELEDYNE ENERGY SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	351
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	15,977
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,311
	STATE TOTAL				18,288
	TRACOR INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	270
	TRACOR INSTRUMENTS AUSTIN INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	75
	TRACOR MBA	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	173
	TRIMBLE NAVIGATION LIMITED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	11,424
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	8,568
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	41,729
	STATE TOTAL				61,721
	CONTRACTOR TOTAL				
	UNISYS CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	638
	UNITED STATES DEPT ENERGY	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,612
	UNITED TECHNOLOGIES CORP				63,971
	CONTRACTOR TOTAL				287
	UNIVERSAL ENERGY SYSTEMS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	UNIVERSITY OF KANSAS	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	130
	UNIVERSITY OF MARYLAND	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	401
	VARIAN ASSOCIATES INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	531
	CONTRACTOR TOTAL				30
	UNIVERSITY OF KANSAS	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	96
	UNIVERSITY OF MARYLAND	Kansas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	29
	VARIAN ASSOCIATES INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	205
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	CONTRACTOR TOTAL				
	VERAC INCORPORATED	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	552-
	VITRO CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	347-
	WAGNER DANIEL H ASSOCIATES	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	128
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	30
		Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	370
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	490
					20,180
	STATE TOTAL				20,670
	CONTRACTOR TOTAL				
	WRIGHT STATE UNIVERSITY	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	451
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	21,121
					118
	R&D TOTAL				499,443
	AC64 A A I CORPCRATION	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	903
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,986
					4,889
					5,138
	A T & T TECHNOLOGIES INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	69,441
		N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	74,579
	CONTRACTOR TOTAL				50
	ACOUSTICAL RESCH & APPLCTIONS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	207
	ADAPTIVE SENSORS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	293
	ADVANCED SYSTEMS DEVELOPMENT	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100
	ADVANCED TECHNOLOGY INC	Rhode Islid	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,841
	AEL INDUSTRIES INC	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,333
	AHNTech INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	492
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,119
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	AMERICAN ELECTRONICS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,611
	AMERICAN SYSTEMS CORPORATION	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	214
	AMPEX CORPORATION	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	17,094
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	27 1,007 634
	STATE TOTAL				1,641
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	541
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	808
	ANALYTICS INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	519
	ANDRULIS RESEARCH CORP	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,440
	APPLICATIONS RESEARCH CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	259
	AQUIDNECK MGT ASSOC LTD	Rhode Islnd	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
	ARGOTEC INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	53
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	647
	ASTRON CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	219
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	AUTOMETRIC INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	895
	AYDIN CORPORATION	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,507
	BDM CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100
	CONTRACTOR TOTAL	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	299
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	399
	BOEING COMPANY THE	Kansas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,897
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	678 - 657 -

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	CONTRACTOR TOTAL					
	BOLT BERANEK & NEWMAN INC	Washington	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	\$	29,432 12,608
	STATE TOTAL					42,040
	CONTRACTOR TOTAL					40,705
	CALSPAN CORPORATION	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		29
	CANADIAN COMMERCIAL CORPORATN	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,457
	STATE TOTAL					1,486
	CONTRACTOR TOTAL					9,513
	CANADIAN MARCONI COMPANY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,000
	CHELTON INC	CANADA	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		5,096
	CINCINNATI ELECTRONICS CORP	STATE TOTAL				6,096
	COLLINS INTERNATIONAL SV CO	CANADA	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,987
	COMARCO INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		498
	COMBUSTION ENGINEERING INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		2,420
	COMMAND CONTRL COMMUNICATIONS	Iowa	ARMY NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		2,752 715 12,193
	COMPUTER SCIENCES CORPORATION	STATE TOTAL				15,660
	CONTRACTOR TOTAL					10,453
	CONTEL PAGE SYSTEMS INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		12,094
	CONTROL DATA CANADA LIMITED	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,750
	CONTROL DATA CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		208
	STATE TOTAL	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		3,287
	CONTRACTOR TOTAL	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		3,495
	CONTEL PAGE SYSTEMS INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		29,987
	CONTROL DATA CANADA LIMITED	CANADA	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,200
	CONTROL DATA CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		12,095

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	CUBIC CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,166
	DATRON SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,490
	DAYTON-GRANGER INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	416
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	594
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	194
			STATE TOTAL		788
	DIAGNOSTIC/RETRIEVAL SYSTEMS	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	48
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	476
	DYNETICS INC	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,077
	E G & G GEOMETRICS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	343
	E-SYSTEMS INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,131
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	378-
	CONTRACTOR TOTAL				15,753
	EAGLE TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	85
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,725
	CONTRACTOR TOTAL				1,810
	EATON CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,114
	EDO CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,983
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	58
	ELECTRONIC WARFARE ASSOCIATES	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	330
	EMERSON ELECTRIC CO	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,231
		Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	19,191
	CONTRACTOR TOTAL				20,422
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	469
	ESL INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	524-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	EVALUATION RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	228
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,000
	FAIRCHILD WESTON SYSTEMS INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,158
	FERRANTI COMPUTER SYSTEMS LTD	UNITED KIN	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	489
	FLAM & RUSSELL INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	233
	FORD AEROSPACE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	906
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	58,149	
	STATE TOTAL				59,055
	FRONTIER ENGINEERING INC	Oklahoma	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	G E C AVIONICS LTD	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	579
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	964
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	13,391
	CONTRACTOR TOTAL				14,355
	GENERAL ELECTRIC COMPANY	Alabama	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,249
		Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	969-
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	25,273
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	478	
	STATE TOTAL				25,751
	CONTRACTOR TOTAL				27,031
	GEODYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	151
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,972	
	STATE TOTAL				5,047
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,767
		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	74,912	
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	257,536	
	STATE TOTAL				335,215

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,752
	HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,105
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,377
			STATE TOTAL		6,482
	HARRIS-MAGNAVOX SYSTEMS CO(JV)	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	10,628
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,122
		New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	283
	CONTRACTOR TOTAL				5,405
	HONEYWELL INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,300
		Minnesota	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	111
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	318
	CONTRACTOR TOTAL				1,729
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,306
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	31,635
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,039
			STATE TOTAL		40,980
	HUMBUG MOUNTAIN RESERACH LABS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	270
	HUNTER RESEARCH INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	47
	I L C DATA DEVICE CORP DEL	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	49
	INDUSTRIAL DATA LINK CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	287
	INTERMETRICS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,410
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	84
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	128 -
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100,629
	CONTRACTOR TOTAL				100,585
	INTERSTATE ELECTRONICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	17,043
	ISC INTERNATIONAL	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	876

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	ISRAEL AC IND	ISRAEL	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,400
	ITT CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,900
		Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	11,025
		New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,620
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	8,577	
	STATE TOTAL				11,197
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	458
	CONTRACTOR TOTAL				24,580
	ITT RESEARCH INSTITUTE	Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,727
	K M S FUSION INC	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	392
	KAPOS ASSOCIATES INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	200
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	82
	LEAR SIEGLER INC	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	23,203
	LIGHTWAVE ELECTRONICS CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	225
	LITTON INDUSTRIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	303
	LITTON SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,118
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	377 -	
	STATE TOTAL				4,741
		Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	200
	CONTRACTOR TOTAL				4,941
	LOCKHEED ELECTRONICS CO	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,965
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	580	
	STATE TOTAL				8,545
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	313
	LOCUS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	242

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				
	LOGICON INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	555
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	572
	CONTRACTOR TOTAL				741
	LORAL CONIC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,313
	LORAL CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,610
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	300
	CONTRACTOR TOTAL				1,399
	LORAL ELECTRO-OPTICAL SYSTEMS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,699
	LORAL SYS CO	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	45
	LTV AEROSPACE & DEFENSE CO	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,709
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	210
	CONTRACTOR TOTAL				350
	M T L SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	560
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	452
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	366
	STATE TOTAL				3,712 284
		New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,996
	CONTRACTOR TOTAL				970
	MANHATTAN ELECTRIC CABLE CORP	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,966
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	34
		Florida	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	14,088
	STATE TOTAL				4,801 10,458
		Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	15,259
	CONTRACTOR TOTAL				101

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC64 (CONTINUED)

CONTRACTOR TOTAL					\$	29,448
	MAXIM TECHNOLOGIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		376
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		110
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		142
	METRIC SYSTEMS CORPORATION	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		79-
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		60
	MILTOPE CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		292
	MISSION RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		36
	MONARCH MACHINE CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		63
	MOTOROLA INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,683	
	NATION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,916	
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,269	
	NEWPORT NEWS SHPBLDNG DRYDOCK	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,251	
	NORDEN SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	520	
		Conn	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	56 447	
STATE TOTAL					503	
CONTRACTOR TOTAL					1,023	
	NORTHROP CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		105
		Illinois	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	231 652	
STATE TOTAL					883	
CONTRACTOR TOTAL					988	
	OCEAN TECHNOLOGY INC	Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		126
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		125
	OPTIC-ELECTRONIC CORP	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		4,900

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC64 (CONTINUED)					
	OREGON STATE UNIVERSITY	Oregon	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	236
	PERKIN ELMER CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,000
		Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	143
	CONTRACTOR TOTAL				3,143
	PLANNING RESEARCH CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	470
	POTOMAC SYSTEMS ENGINEERING	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,535
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	675
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	375
	CONTRACTOR TOTAL				1,050
	RAYTHEON COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	225
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	6,841
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,164
	STATE TOTAL				8,230
	Mass		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	25,349
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	91,636
	STATE TOTAL				116,985
	Rhode Islnd		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	21,033
	Washington		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	80
	CONTRACTOR TOTAL				146,328
	RAYTHEON SERVICE COMPANY	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,287
	RCA CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	72
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,199
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	18,839
	STATE TOTAL				20,110
	Penn		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	31
	CONTRACTOR TOTAL				20,141

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	REDLAKE CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	\$ 72
	REIFER CONSULTANTS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	49
	ROCKWELL INTERNATIONAL CORP	Arkansas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	198
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	282
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50	
	STATE TOTAL				332
	CONTRACTOR TOTAL				
		Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29,194
					29,724
	S C S TELECOM INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	184
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	271
		Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	148
	CONTRACTOR TOTAL				419
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	32
		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	995	
		USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	26,691	
	STATE TOTAL				27,718
	SCHLUMBERGER TECHNOLOGY CORP	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,224
	SCHWARTZ ELECTRO-OPTICS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	150
	SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	97
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,106
		New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,850
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	266
	CONTRACTOR TOTAL				3,394
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	222
	SEDCO SYSTEMS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	315
	SEMCOR INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	628

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC64 (CONTINUED)

		NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	\$	48
	STATE TOTAL				676
SENSIS CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		200
SINGER COMPANY THE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		155
	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		286	
	STATE TOTAL				441
	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		5,754
	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		6,998	
	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		112,320	
	STATE TOTAL				125,072
					125,513
CONTRACTOR TOTAL					2,021
SIPPICAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		104
SOFTTECH INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		112
SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		9,018
SPARTA INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		3,427
SPARTON CORPORATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		1,166
SPERRY CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		75
SRI INTERNATIONAL	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		535
STANFORD TELECOMMUNICATIONS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		6,549
	STATE TOTAL				7,084
STEWART ASSOCIATES INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		852
SUMMIT TECHNOLOGIE; INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		2,493
SUPERIOR ENGRG & ELECTRONIC CO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		554
SYNERTECH ASSOCIATES, INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		27
SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		735
SYSTEM DEVELOPMENT CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV		593

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AC64 (CONTINUED)

CONTRACTOR TOTAL					\$	1,699
SYSTEM PLANNING CORPORATION SYSTEMS & PROCESSES ENGRG SYSTEMS EXPLORATION INC SYSTEMS RESEARCH LABORATORIES T S C INC TADIRAN ELECTRONIC INDUSTRIES TECHDYN SYSTEMS CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		
	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		334
	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		2,626
	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		196
	California	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		337
	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		1,224
	California	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		720
	ISRAEL	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		450
	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		175
	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		1,152
CONTRACTOR TOTAL						3,146
TECHNICAL EVALUATION RESEARCH TECHNOLOGY FOR COMMCTNS INTL TELEDYNE INC TELEDYNE INDUSTRIES INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		4,298
	California	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		199
	California	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		297
	California	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		1,600
	California	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		1,944
	Utah	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		407
	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		2,351
	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		250
	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		9,903
	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		4,597
STATE TOTAL						14,750
TEXAS INSTRUMENTS INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		3,145
	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		2,380
CONTRACTOR TOTAL						5,525
THORN EMI TECHNOLOGY INC	Georgia	NAVY	RDTE/ELEC & COMMUNICATION EQ -	ENGR DEV		79

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	TITAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	\$ 1,094
	TRACOR INSTRUMENTS AUSTIN INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	127
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,600
	CONTRACTOR TOTAL				4,727
	TRACOR MBA	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	409-
	TRW INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,667
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	28,205
	STATE TOTAL				29,872
	U T L CORPORATION	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,628
	UNISYS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,912
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,997
	CONTRACTOR TOTAL				9,909
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	158
	VEDA INCORPORATED	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	400
	VENTANA SCIENCES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	VITRONICS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,369
	WATKINS-JOHNSON COMPANY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	18,256
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,749
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,437
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,738
	STATE TOTAL				18,924
		Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	162
	CONTRACTOR TOTAL				19,086
	XEMET INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	496
	XETRON CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	583
	R&D TOTAL				1,641,460

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65	A T & T TECHNOLOGIES INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	\$ 500
		N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,766
	CONTRACTOR TOTAL				5,266
	ADVANCED DIGITAL SYSTEM INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,177
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	200
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,116
	STATE TOTAL				1,316
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	950
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,074
	STATE TOTAL				2,024
	ANDREW ANTENNA GOVERNMENT PRO	AUSTRALIA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	5,062
		AUSTRIA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	532
	CONTRACTOR TOTAL				5,594
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	828
	ATLANTIC RESEARCH CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,664
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,076
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	56
	CONTRACTOR TOTAL				4,796
	BBN LABORATORIES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	700
	BDM CORPORATION	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	50
	BOEING COMPANY THE	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	150
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	50
	STATE TOTAL				200
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	53
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,249
	STATE TOTAL				8,302
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	560
	CONTRACTOR TOTAL				8,862
	BOOZ ALLEN & HAMILTON INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,980

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC65 (CONTINUED)					
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	390
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	95
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	42
	CARNEGIE-MELLON UNIVERSITY	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,895
	CINCINNATI ELECTRONICS CORP	Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - CP SYS DEV	2,187
	COLLINS INTERNATIONAL SV CO	Iowa	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,870 11,442
			STATE TOTAL		13,312
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,389
	COMTEK RESEARCH INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,822
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,106
	CONDOR SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	420
	CONTROL DATA CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	178
	CUBIC COMMUNICATIONS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	315
	CUBIC CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40
	DCS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,149
	DESIGN ENGINEERING INC	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	45
	DIGITAL SYSTEMS GROUP INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	360
	DOSS AVIATION INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,774
	E C CORPORATION	Kentucky	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,361
	E G & G INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	542
	E-BEAM DATA SYSTEMS INC	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	113
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	311
	EATON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	72

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC65 (CONTINUED)					
	ELECTRONIC DEVELOPMENT CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	51
	EMERSON ELECTRIC CO	Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,000
	ENCORE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OF SYS DEV	9,603
	ENGINEERING & ECONOMICS RES	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,034
	EVALUATION RESEARCH CORP	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,164
	FAIRCHILD SEMICONDUCTOR CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	209
	FALCON MICROSYSTEMS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	61
	FIBERTEK INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	200
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	259
	FORD AEROSPACE	California	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	201 9,200
	STATE TOTAL				9,401
	Colorado	ARMY USAF		RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,598 17,637
	STATE TOTAL				21,235
	Kansas	ARMY		RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,172
	CONTRACTOR TOTAL				39,808
	FREQUENCY ELECTRONICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	401
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	10,401
	GENERAL ELECTRIC COMPANY	New York	NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	235 73
	STATE TOTAL				308
	Penn	USAF		RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	15,336
	CONTRACTOR TOTAL				15,644
	GENSOFT CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	875
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	259

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AC65 (CONTINUED)

	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	\$	202
STATE TOTAL					461
GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	6,950
	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		935
STATE TOTAL					7,885
GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	603
	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		1,348
	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		627
STATE TOTAL					2,578
GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	40
	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	40,108
CONTRACTOR TOTAL					40,148
H & H AEROSPACE DESIGN INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	834
HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	100
	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		962
	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		509-
STATE TOTAL					553
HODGE COMPUTER RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	452
HONEYWELL INC	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	54
	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	894
CONTRACTOR TOTAL					948
HRB-SINGER INC	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	246
HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	321
	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		3,372
STATE TOTAL					3,693
ILLINOIS	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV		204
CONTRACTOR TOTAL					3,897
HYDROACOUSTICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP	SYS DEV	1,436

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	I I T RESEARCH INSTITUTE	Illinois	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	\$ 355 66
	I W G CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	421
	INDUSTRIAL DATA LINK CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	55
	INTERMETRICS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,977
	INTERNATIONAL BUS MCHS CORP	Maryland	ARMY USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	424 343 8,056
		STATE TOTAL			8,399
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,900
		Oklahoma	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	63
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	35
	CONTRACTOR TOTAL				10,397
	ITT CORPORATION	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,322
		New Jersey	ARMY NAVY USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	29 57,030 8,159
		STATE TOTAL			65,218
		Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	66,540
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	485
		Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,100
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	100
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,124
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	661
		California	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	24,604 18-
		STATE TOTAL			24,586
	CONTRACTOR TOTAL				
	ITT RESEARCH INSTITUTE	Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
	J R S RESEARCH LABORATORIES,	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
	KAMAN SCIENCES CORPORATION	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
	KESTREL INSTITUTE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
	LAWRENCE BERKELEY LABORATORY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
	LITTON SYSTEMS INC	California	ARMY NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	
		STATE TOTAL			

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	CONTRACTOR TOTAL				\$ 173,205
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	197,791
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,867
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	344
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	11,003
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	113
	MANTECH INTERNATIONAL CORP	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	351
	MASSACHSTTS INST OF TECHNOLOGY	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,103
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,052
	MICROSCOPE COMPANY INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,419
	MICROWAVE LABORATORIES INC	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	260
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	268
	MOTOROLA INC	Arizona	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	551
	MYSTECH ASSOCIATES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	73
	CONTRACTOR TOTAL	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	351
	NEW JERSEY INST OF TECHNOLOGY	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	244
	P C O INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	595
	PACER SYSTEMS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	159
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	250
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,321
	CONTRACTOR TOTAL	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	74
	PENNSYLVANIA STATE UNIV THE	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	550
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	49
	CONTRACTOR TOTAL				599
					37,496
					98

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)					
QUANTITATIVE INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	\$	61
QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		46
RADIAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		49
RAYTHEON COMPANY	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		33,728
		USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		208,725
	STATE TOTAL				242,453
RCA CORPORATION	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		58
	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		59
		NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		349
	STATE TOTAL				408
CONTRACTOR TOTAL					466
RESEARCH & DEV LABORATORIES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		163
RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		197
RMS TECHNOLOGIES INCORPORATED	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		3,530
ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		10,184
		USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		37
	STATE TOTAL				10,221
	Iowa	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		10,055
	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		1,539
CONTRACTOR TOTAL					21,815
SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		1,898-
SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		90
SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		38
	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		4,495
	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		376
CONTRACTOR TOTAL					4,909

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC65 (CONTINUED)					
	SCIENTIFIC-ATLANTA INC	Georgia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,113
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	341
	SEMCOR INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	92
	SENSIS CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	270
	SINGER COMPANY THE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	440
		Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	125
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	27 -
	CONTRACTOR TOTAL				538
	SOFTECH INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	79
	SONICRAFT INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,343
	SOUTHEASTN CTR ELECTR ENG ED	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	724
	SPACE COMMUNICATION COMPANY	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,101
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	297
	SPECTRA PHYSICS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	67
	SPERRY CORPORATION	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,449
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,920
	CONTRACTOR TOTAL				15,369
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	160
		NAVY		RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,508
	STATE TOTAL				2,668
	STANFORD UNIVERSITY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,725
	STONEFIELD OMICRON LTD	UNITED KIN	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	69
	SUNDSTRAND DATA CONTROL INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	100
	SUPERIOR ENGRG & ELECTRONIC CO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	256
	SYSCON CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,026
	SYSTEM RESOURCES CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,584

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AC65 (CONTINUED)

	CONTRACTOR TOTAL					\$	390
	T-BAR INCORPORATED	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			1,974
	TACAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			41
	TECHDYN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			50
	TEKTRONIX INC	Oregon	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			955
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			39
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			1,620
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			2,374
				RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			473
	STATE TOTAL						2,847
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			27,100
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			15,250
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			25,909
	STATE TOTAL						68,259
	UNISYS CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			256
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			401
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			2,060
	STATE TOTAL						2,461
	CONTRACTOR TOTAL						2,717
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			560
	UNIVERSITY OF SOUTHERN CALIF	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			275
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			5,328
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			28
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			189
	WASHINGTON UNIVERSITY	Missouri	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			39
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			243
	ZEGER-ABRAMS INCORPORATED	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV			120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
R&D TOTAL					
AC66	ABTECH CORP	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	985,313
	ADAPTIVE SENSORS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	56
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	ALLIED SIGNAL AEROSPACE CO	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	250
	AMBER ENGINEERING INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	150
	ANAMET LABORATORIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	ATEAM CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	65
	BDM CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	390
	BITE INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	5,598
	C3CM TST ENGR	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	43
			USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	783
					760
					1,543
STATE TOTAL					
	CASE CONSULTING INCORPORATED	Texas	USAF	RDTE/ELFC & COMMUNICATION EQ - MGMT & SUP	49
	CENTRA TECHNOLOGY INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	120
	CLEVELAND CRYSTALS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	150
	CYBERCHRON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	422
	DAINA	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	45
	DECISION SCIENCE CONSORTIUM	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	105
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	191
	ELECTRO MECHANICS COMPANY THE	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	45
	ELECTRO-OPTIK CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	456
	ELECTRONIC WARFARE ASSOCIATES	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	FAILURE ANALYSIS ASSOCIATES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC66 (CONTINUED)					
	FOSTER-MILLER INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	\$ 375
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	40-
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	76
	HADRON INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	110
	HONEYWELL INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	89
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	85
	HYPRES INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	47
	I-MATH ASSOCIATES INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	41
	INTEGRITY SYSTEMS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	161
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	123
	INTERNATNL TCHNCAL ASSOCIATES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	559
	ITT CORPORATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	40
	J B S TECHNOLOGIES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	58
	J R S RESEARCH LABORATORIES,	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	147
	KTECH CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	121
	L N R COMMUNICATIONS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	247
	LASER POWER CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	LIGHT FANTASTIC	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	3,239
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	217
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	1,050
	MARTINGALE RESEARCH CORP	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	56
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	MILLITECH CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC66 (CONTINUED)					
	MYK TECHNOLOGY INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	\$ 98
	NORTHROP CORPORATION	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	30
	NTS ENGINEERING	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	OPTELECOM INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	ORTEL CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	48
	PERCEPTICS CORPORATION	Tennessee	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	230
	PHYSICAL OPTICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	66
	Q-DOT INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	482
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	R E A PRECISION MACHINE CO	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	71
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	60
	SCIENCE & TECHNOLOGY CORP	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	140
	SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	827
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	122
	SIGMA RESEARCH INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	42
	SMART SYSTEMS TECHNOLOGY INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	53
	SPECTRON DEVELOPMENT LABS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	104
	SPIRE CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	142
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	1,664
	SYNETICS CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	183
	SYSCON CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	442
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	125
	TECHNOLOGY FOR COMMNCNS INTL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	53
	TEKTRONIX INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	157
	TRI TESSCO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC66 (CONTINUED)					
	TRICOR SYSTEMS INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	TRW INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	7,851
	U F A INCORPORATED	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	325
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	VEDA INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	206
	WIZDOM SYSTEMS INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	70
	WON I J GEOPHEX LTD	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	215
	XACTON	Arizona	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	R&D TOTAL				31,187
AC91	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/MISC HARD GOODS - RESEARCH	60
	SCIENTIFIC MEASUREMENT SYSTEMS	Texas	NAVY	RDTE/MISC HARD GOODS - RESEARCH	693
	SPECTRA TECHNOLOGY INC	Virginia	NAVY	RDTE/MISC HARD GOODS - RESEARCH	599
	SRI INTERNATIONAL	California	USAF	RDTE/MISC HARD GOODS - RESEARCH	110
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/MISC HARD GOODS - RESEARCH	54
	VERAC INCORPORATED	California	NAVY	RDTE/MISC HARD GOODS - RESEARCH	300
	R&D TOTAL				1,816
AC92	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	100-
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	515
	AMERICAN OPTICAL CORPORATION	Mass	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	256
	BABINGTON ENGINEERING	Virginia	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	37
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	89
	COMPUTATIONAL PHYSICS INC	Virginia	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	251
	DEGINA FORDERTECHNIK	GERMANY, F	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	144
	DYNATECH CORPORATION	Mass	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	75
	FOSTER-MILLER INC	Mass	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	243

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC92 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	\$ 2,412
	HARRIS CORPORATION	Florida	USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	546
	HONEYWELL INC	Minnesota	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	155
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	510
			USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	147
	STATE TOTAL				657
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	95
	NEWPORT NEWS SHPBLDG DRYDOCK	Virginia	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	42
	OPTICAL SHIELDS LIMITED	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	239
	SRI INTERNATIONAL	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	105
	STANFORD UNIVERTSITY	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	35
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	55
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	147
	WASHINGTON STATE UNIVERSITY	Washington	USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	35
	R&D TOTAL				6,033
AC93	BOEING COMPANY THE	Alabama	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	150
	DESPATCH INDUSTRIES INC	Minnesota	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	175
	DISPLAYTECH INC	Colorado	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	42
	E G G WASH ANALYTICAL SVCS CTR	Virginia	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	3,365
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	846
	HARSCO CORPORATION	Penn	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	64
	HAZELTINE CORPORATION	New York	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	100
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	68
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	357
	LOCKHEED ENGRG & SCIENCES CO	Utah	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	3,718

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC93 (CONTINUED)					
	LORAL CORPORATION	Arizona	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	440
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	335
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	145
	S S G INC	Mass	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	436
	SCIPAR INCORPORATED	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	380
	SOLAR TURBINES INCORPORATED	California	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	60
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	296
	SPERRY CORPORATION	Utah	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	668
	SUNDSTRAND DATA CONTROL INC	Washington	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	395
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	151
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	53-
		Florida	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	100
	CONTRACTOR TOTAL				47
R&D TOTAL					12,238
AC94	A A I CORPORATION	Maryland	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,926
	AHNTech INC	California	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	481
	ALAR PRODUCTS INC	Ohio	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	72-
	AQUA CHEM ANALYSES INC	Wisconsin	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	45
	BDM CORPORATION	Virginia	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	366
	SELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	46
	BROWN DAYTON T INC	New York	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	153
			USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	46
	STATE TOTAL				199
	BRUNSWICK CORPORATION	Florida	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	44
	DIVING UNLIMITED INTERNATIONAL	California	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	80

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC94 (CONTINUED)				
DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	580
E T L TESTING LABORATORIES INC	New York	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	47 -
GENERAL ELECTRIC COMPANY	Alabama	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	50,500
	Mass	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	15,743
CONTRACTOR TOTAL				66,243
HARSCO CORPORATION	Penn	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,741
HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	105
I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,016
		USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,769
STATE TOTAL				4,785
LUCAS INDUSTRIES INC	New Jersey	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	482
MARITIME DYNAMICS INC	Maryland	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	249
MARTIN-BAKER AIRCRAFT CO LTD	UNITED KIN	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	608
MINISTRY OF DEFENSE UK	GABON	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	501
CONTRACTOR TOTAL				4,800
MULTI-ELECTRIC MFG INC	Illinois	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	5,301
NUCLEAR METALS INC	Mass	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,067
O'BRIEN, D G INC	N.H.	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,451
OEA INC	Colorado	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	174
POWER-REX INC	Arizona	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	53
RED WING PRODUCTS INC	Oklahoma	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	41
SINGER COMPANY THE	New York	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	42
CONTRACTOR TOTAL				2,856
	Texas	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,467
				4,323

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC94 (CONTINUED)					
	TELEDYNE INC	Alabama	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	\$ 558
	TVI CORPORATION	Maryland	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,141
	R&D TOTAL				93,012
AC95	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	443
	AMETEK INC	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	36
	ANDRULIS RESEARCH CORP	Utah	ARMY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	568
	BDM CORPORATION	New Mexico	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	251
		Virginia	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	3,621
	CONTRACTOR TOTAL				3,872
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	138
	DATASONICS INC	Mass	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	26
	GENERAL INSTRUMENT CORP DEL	Maryland	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	153
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	500
	MEDVED RESEARCH & TECHNOLOGY	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	177
	NORECO INC	Florida	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	210
	PACIFIC TRINETICS INC	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	42
	RALOID CORPORATION	Maryland	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	822
	ROBOTIC VISION SYSTEMS INC	New York	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	333
	R&D TOTAL				7,920
AC96	ADVANCED REFR TECHNOLOGIES	New York	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	49
	AZAK CORP	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	56
	COMPREHENSIVE TECHNOLOGIES INTL	Florida	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	53
	CREARE RESEARCH & DEVELOPMENT	N.H.	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	71
	DATATAPE INCORPORATED	California	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	84
	ELECTRO MAGNETIC APPLICATIONS,	Colorado	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	49
	PERFECT VIEW INC	N Carolina	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	400

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AC96 (CONTINUED)					
	PHYSICAL RESEARCH INC	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	260
	RADCON	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	50
	RESOURCE EXPANDERS CORP	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	124
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	62
	TRACOR INC	Texas	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	1,527
	R&D TOTAL				2,785
AD11	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/AMMUNITION - RESEARCH	1,896
	CRYSTAL GROWTH & MATERIAL	Maryland	NAVY	RDTE/AMMUNITION - RESEARCH	57
	GEO-CENTERS INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	1,653
	CONTRACTOR TOTAL	Mass	NAVY	RDTE/AMMUNITION - RESEARCH	667
	INTECH INC	Florida	ARMY	RDTE/AMMUNITION - RESEARCH	2,320
	M P R ASSOCIATES INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	28
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/AMMUNITION - RESEARCH	50
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AMMUNITION - RESEARCH	115
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	52
	CONTRACTOR TOTAL	Maryland	NAVY	RDTE/AMMUNITION - RESEARCH	423
	SCIENCE APPLICATIONS INTL CORP	Virginia	USAF	RDTE/AMMUNITION - RESEARCH	113
	SUSQUEHANNA RESOURCES ENVRNMT	New York	ARMY	RDTE/AMMUNITION - RESEARCH	536
	UNIV OF COLORADO	Colorado	NAVY	RDTE/AMMUNITION - RESEARCH	75
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	NAVY	RDTE/AMMUNITION - RESEARCH	293
	R&D TOTAL				50
AD12	AEROJET GENERAL CORPORATION	California	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	172
	AVCO CORPORATION	Mass	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	5,644
					11,790
					255

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD12 (CONTINUED)					
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	280
	CALSPAN CORPORATION	New York	USAF	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	60
	CRITON TECHNOLOGIES	California	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	94
	EL DORADO ENGINEERING INC	Utah	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	399
	EUREKA LABORATORIES INC	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	67
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	136
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	94
	KDI PRECISION PRODUCTS INC	Maryland	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	110
	MAXWELL LABORATORIES INC	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	644
	OLIN CORPORATION	Conn	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	182
	ORTEL CORPORATION	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	200
	ROYAL ORDNANCE AMMUNITION LTD	UNITED KING	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	114
	SAFETY CONSULTING ENGINEERS	Illinois	USAF	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	111
	SRI INTERNATIONAL	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	60
	TRACER TECHNOLOGIES INC	Mass	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	395
	XMCO INC	New York	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	145
	R&D TOTAL				15,136
AD13 A A I CORPORATION					
	ACTION MANUFACTURING COMPANY	Maryland	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	33
	AEROJET GENERAL CORPORATION	Penn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	156
	AVCO CORPORATION	California	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	157
	BRUNSWICK CORPORATION	Mass	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,794
		California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
		Virginia	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	700
	CONTRACTOR TOTAL				5,200
	GENERAL DEFENSE CORPORATION	Penn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	166-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD13 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	11,787
		Vermont	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	2,324
	CONTRACTOR TOTAL				14,111
	HARRIS CORPORATION	Florida	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	400
	HERCULES INCORPORATED	Utah	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	105
		W Virginia	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	33,125
	CONTRACTOR TOTAL				33,230
	HI-Z TECH INC	California	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	190
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	23,803
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	136
	ICI AMERICAS INC	Penn	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	30
	LORAL CORPORATION	Ohio	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	567
	MARQUARDT COMPANY THE	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	2,837
		Maryland	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	7,266
	CONTRACTOR TOTAL				10,103
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
	OLIN CORPORATION	Conn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	99
		Illinois	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	7,887
	CONTRACTOR TOTAL				7,986
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	300
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	37-
	POLYMER TECHNOLOGIES INC	New Jersey	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	73
	PROLL MOLDING CO INC	New Jersey	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	54
	ROYAL ORDNANCE AMMUNITION LTD	UNITED KING	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	120

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD13 (CONTINUED)					
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	200
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	1,418
	WESTERN DESIGN CORPORATION	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	254
	R&D TOTAL				112,112
AD14	ABEX CORPORATION	New Jersey	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	32-
	AEROJET GENERAL CORPORATION	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	47,884
	BRUNSWICK CDC	Florida	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	4,600
	CHAMBERLAIN MANUFACTURING CORP	Iowa	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	3,918
	DYNAMIT NOBEL AG	GERMANY, F	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	420
	EMCO INC	Alabama	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	69
	EVEREADY BATTERY CO, INC	Vermont	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	555
	FORD AEROSPACE	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	333
	HERCULES INCORPORATED	Delaware	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	236
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	56,259
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	2,333
	ISC DEFENSE SYSTEMS INC	Penn	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	500
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	47
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	37-
	LORAL HYCOR INC	Mass	USAF	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	62
	MOTOROLA INC	Arizona	ARMY NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	30,247 218
	STATE TOTAL				30,465
	OLIN CORPORATION	Illinois	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	180
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	50
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	1,070

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD14 (CONTINUED)					
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	530
	VALENTEC INTERNATIONAL CORP	Arizona	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	156
	WAGNER CASTINGS COMPANY	Illinois	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	32-
	WICKES COMPANIES INC	Penn	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	299
	R&D TOTAL				149,865
AD15	A A I CORPORATION	Maryland	NAVY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	295
	FFV ORDNANCE	SWEDEN	ARMY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	98
	MIDWAY MACHINE PRODUCTS	New Jersey	ARMY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	62
	R&D TOTAL				455
AD16	APPLIED CONCEPTS CORP	Virginia	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	558
	DYNA EAST CORPORATION	Penn	USAF	RDTE/AMMUNITION - MGMT & SUPPORT	1,004
	GENERAL DEFENSE CORPORATION	Penn	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	255
	GEO-CENTERS INC	Mass	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	337
	MTA INC	Alabama	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	618
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/AMMUNITION - MGMT & SUPPORT	169
	R&D TOTAL				2,941
AD21	ADVANCE COMPUTER SYSTEMS	Virginia	NAVY	RDTE/SERVICES - RESEARCH	62
	ANDROMEDA CORP	Alabama	ARMY	RDTE/SERVICES - RESEARCH	50
	ARMAMENT SYSTEMS INC	California	NAVY	RDTE/SERVICES - RESEARCH	1,413
	BBN COMMUNICATIONS CORP	Mass	ARMY	RDTE/SERVICES - RESEARCH	41
	BDM CORPORATION	Virginia	ARMY	RDTE/SERVICES - RESEARCH	155
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/SERVICES - RESEARCH	13,351
			NAVY	RDTE/SERVICES - RESEARCH	66
	STATE TOTAL				13,417
	CATERPILLAR INC	Illinois	ARMY	RDTE/SERVICES - RESEARCH	200

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD21 (CONTINUED)					
	CATHOLIC UNIVERSITY OF AMERICA	D. C.	ARMY	RDTE/SERVICES - RESEARCH	31
	DCS CORPORATION	Virginia	NAVY	RDTE/SERVICES - RESEARCH	49
	DEERE & COMPANY	Illinois	ARMY	RDTE/SERVICES - RESEARCH	334
	DESIGNERS & PLANNERS INC	Virginia	NAVY	RDTE/SERVICES - RESEARCH	44
	ELECTRONIC WARFARE ASSOCIATES	Virginia	ARMY	RDTE/SERVICES - RESEARCH	5,328
	ENGINEERING COMPUTER OPTECNOMICS	Maryland	NAVY	RDTE/SERVICES - RESEARCH	184
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - RESEARCH	40
	GENERAL SCIENCES INC	Penn	ARMY	RDTE/SERVICES - RESEARCH	120
	GEO-CENTERS INC	Mass	ARMY	RDTE/SERVICES - RESEARCH	63
		New Jersey	ARMY	RDTE/SERVICES - RESEARCH	1,974
	CONTRACTOR TOTAL				2,037
	GTE PRODUCTS CORP DEL CORP	Penn	ARMY	RDTE/SERVICES - RESEARCH	849
	HARRIS CORPORATION	Florida	ARMY	RDTE/SERVICES - RESEARCH	39
	HOKENSON COMPANY	California	NAVY	RDTE/SERVICES - RESEARCH	48
	HUMBUG MOUNTAIN RESERACH LABS	California	NAVY	RDTE/SERVICES - RESEARCH	50
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/SERVICES - RESEARCH	1,551
	KAPLAN LAWRENCE S	Ohio	ARMY	RDTE/SERVICES - RESEARCH	33
	KONIGSBERG INSTRUMENTS INC	California	NAVY	RDTE/SERVICES - RESEARCH	50
	LEADING SYSTEMS, INC	California	ARMY	RDTE/SERVICES - RESEARCH	2,705
	LERON ASSOCIATES	New Jersey	ARMY	RDTE/SERVICES - RESEARCH	61
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/SERVICES - RESEARCH	272
	MAC AULAY-BROWN INC	Ohio	NAVY	RDTE/SERVICES - RESEARCH	150
		USAF	RDTE/SERVICES - RESEARCH	342	
	STATE TOTAL				492
	MATERIALS SCIENCE CORP	Penn	ARMY	RDTE/SERVICES - RESEARCH	652

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD21 (CONTINUED)					
	NATIONAL ACADEMY SCIENCES USA	D. C.	ARMY	RDTE/SERVICES - RESEARCH	\$ 331
	QUANTUM DESIGN INC	California	NAVY	RDTE/SERVICES - RESEARCH	50
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - RESEARCH	50
	SABBAGH ASSOCIATES INC	Indiana	ARMY	RDTE/SERVICES - RESEARCH	75
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/SERVICES - RESEARCH	2,160
		California	ARMY	RDTE/SERVICES - RESEARCH	5,766
		Hawaii	NAVY	RDTE/SERVICES - RESEARCH	33
	CONTRACTOR TOTAL				7,959
	SCIENCE HORIZONS INC	California	ARMY	RDTE/SERVICES - RESEARCH	400
	SPECIAL ILLUMINATION SYSTEMS,	Ohio	USAF	RDTE/SERVICES - RESEARCH	347
	STANFORD UNIVERSITY	California	ARMY	RDTE/SERVICES - RESEARCH	262
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/SERVICES - RESEARCH	600
	ULTRASYSTEMS INCORPORATED	Arizona	ARMY	RDTE/SERVICES - RESEARCH	525
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/SERVICES - RESEARCH	103
	UNIVERSITY OF MARYLAND	Maryland	ARMY NAVY	RDTE/SERVICES - RESEARCH RDTE/SERVICES - RESEARCH	75 65
		STATE TOTAL			140
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/SERVICES - RESEARCH	50
R&D TOTAL					41,199
AD22	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	395
	ALLIED SIGNAL AEROSPACE CO	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	960
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	339
	AMAF INDUSTRIES INC	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	161
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	94
	ANALYTIC SCIENCES CORP	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	37

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD22 (CONTINUED)					
	ANALYTICS INCORPORATED	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	392
	APPLIED RESEARCH ASSOC INC	Colorado	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	81
	AVCO CORPORATION	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	190
	B-K DYNAMICS INC	D.C.	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	546
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	200
	BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	80
		Washington	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	30
	CONTRACTOR TOTAL				110
	CAMPBELL-KRONAUER ASSOCIATES	Mass	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	80
	CHI SYSTEMS INC	Penn	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	33
	COLSA INC	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	223
	COMPU-CAD INC	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	66
	COMPUTER SCIENCES CORPORATION	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	75
	CORNELL UNIVERSITY	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	166
	DAEDALUS ENTERPRISES INC	Michigan	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	160
	DECISION SCIENCE CONSORTIUM	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	377
	DYNETICS INC	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	458
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	104
	ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,753
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	86
	EPL ANALYSIS	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	93
	EVALUATION ASSOCIATES	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	34
	FAIREY HYDRAULICS LTD	UNITED KIN	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	73
	FMC CORPORATION	Minnesota	ARMY NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT RDTE/SERVICES - EXPLORATORY DEVELOPMENT	61 203

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD22 (CONTINUED)					
	GENERAL PHYSICS CORPORATION	Florida	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	264
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	225
	GOUGH PAUL ASSOCIATES INC	N.H.	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	86
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	40
	HONEYWELL INC	Minnesota	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	249
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	26
	I-NET INC	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	36
	INTEGRATED SYSTEMS ANALYSTS	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	2,124
	INTERMETRICS INC	Penn	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	39
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	94
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	126
	KETRON INC	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	58
	KRUG INTERNATIONAL CORPORATION	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	50
	LITTLE ARTHUR D INC	Florida	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	61
		Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	244
	CONTRACTOR TOTAL				508
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	752
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	53
		Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	81,746
	CONTRACTOR TOTAL				602
	MAYO FOUNDATION	Minnesota	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	82,348
	MISSION RESEARCH CORPORATION	New Mexico	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	134
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,929
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	45
					465

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD22 (CONTINUED)					
	NORTHEASTERN UNIVERSITY CORP	Mass	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	26
	NORTHROP CORPORATION	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	282
	ORINCON CORPORATION	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	682
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	65
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	300
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	772
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,134
	RAMCOR INC	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	189
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	87
	SCIENCE APPLICATIONS INTL CORP	Hawaii	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	2,527
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	100
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	111
	SPECTRON DEVELOPMENT LABS	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	31
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	185
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	400
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	402
	T S C INC	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	146
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	389
	TECHNICAL SERVICES GROUP	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	338
	TRACOR MBA	California	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	54
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	371
	UNIVERSITY OF MAINE SYSTEM	Maine	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	89
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	105
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	37
	VITRONICS INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	4,399

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD22 (CONTINUED)					
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	50
		Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	284
	CONTRACTOR TOTAL				334
R&D TOTAL					110,045
AD23	AEROJET GENERAL CORPORATION	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,941
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,295
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	81
		Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,632
	CONTRACTOR TOTAL				2,713
	ANALYTICS INCORPORATED	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	460
	APPLIED MEASUREMENT SYSTEMS	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	276
	ARGOSYSTEMS INC	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,291
	ARL INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	43
	ATACS CORPORATION	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	264
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	250
	ATLANTIC RESEARCH CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	144
	AVCO CORPORATION	Mass	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	121
	BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	720
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	432
	BOJZ ALLEN & HAMILTON INC	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	629
	CAMBRIDGE COLLABORATIVE INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	347
	CATALYST RESEARCH CORPORATION	Maryland	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	299
	CHASE INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	43
	COMPUTER SCIENCES CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	78
	CRAFTSMEN CORP	Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	92

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD23 (CONTINUED)					
	E G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,811
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	26
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	38
	FIBERTEK INC	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	48
	G. T. DEVICES, INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	361
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,062
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,504
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	307
	GLOBAL ASSOCIATES LTD	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	GOUGH PAUL ASSOCIATES INC	N.H.	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	75
	GOULD INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	58-
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	27
	HONEYWELL INC	Minnesota	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	143
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	650
	INFORMATION SYSTEMS NETWORKS CORP	Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	765
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	350
		Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	111
	CONTRACTOR TOTAL				461
	INTERMETRICS INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	122
		Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,690
	CONTRACTOR TOTAL				1,812
	JORDAN APOSTAL RITTER ASSOC	Rhode Isl	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	58
	KTECH CORPORATION	New Mexico	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	49
	LORAL CORPORATION	Ohio	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	198
	MASSACHUSETTS INST OF TECHNOLOGY	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	152

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	\$ 400
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	200
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	28
			USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	569
		STATE TOTAL			597
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	155
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	103
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	123
	O'BRIEN, D G INC	N.H.	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	69
	OFFSHORE TECHNOLOGY CORP	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	25
	P D A ENGINEERING	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	73
	P R B ASSOCIATES INC	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	112
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	255
	PAR TECHNOLOGY CORPORATION	Colorado	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,079
	PARKER KINETIC DESIGNS INC	Texas	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	600
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,470
	PROFESSIONAL SERVICE INDUSTRS	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	49
	QUEST RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	90
	RAIL COMPANY	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,635
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	400
	ROME RESEARCH CORP	New York	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	196
	SAFT AMERICA INC	Maryland	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	136
	SATCON TECHNOLOGY CORPORATION	Mass	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	50
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,874
			USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	3,043
		STATE TOTAL			4,917

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD23 (CONTINUED)					
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	437
	SYSTEMS RESOURCE MANAGEMENT	Rhode Isld	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	376
	T S C INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	100
		Florida	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	CONTRACTOR TOTAL				159
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	870
		Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	534
	CONTRACTOR TOTAL				1,404
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	96
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	TRACOR-HYDRONAUTICS, INC	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	223
	TRANSISTOR SPECIALTIES INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	30
	TRW INC	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	3,627
		Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	577
	CONTRACTOR TOTAL				4,204
	UNISYS CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	100
	UNITED STATES DEPT ENERGY	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	50
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	121
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	40
	UNIVERSITY OF NEW HAVEN FOUND	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	28
	VEDA INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	350
	VERAC INCORPORATED	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,237
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	40
	WALLACE & CO	N Carolina	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,158
	R&D TOTAL				45,832
AD24	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	104

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD24 (CONTINUED)					
	CONTRACTOR TOTAL				
	ALCOA DEFENSE SYSTEMS INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	61
	ANALYSIS & TECHNOLOGY INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	165
		Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	496
		Florida	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,440
	CONTRACTOR TOTAL				2,151
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	4,591
		Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	81-
	CONTRACTOR TOTAL				1,597
	APPLIED AERODYNAMICS ASSOC	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,516
	ARINC RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	32
	ARROWSMITH INDUSTRIES INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	80
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	951
	AVCO CORPORATION	Conn	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	448
	BERLIN S INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,838
	BETA INDUSTRIES INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	70
	BOEING COMPANY THE	Alabama	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	435
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	261
	BRUNSWICK CORPORATION	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	42
	BURTEK INC	Oklahoma	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	471
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	100
	COBRO CORPORATION	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	513
	COLUMBIA RESEARCH CORPORATION	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
	COMPUTER SCIENCES CORPORATION	New Jersey	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,557
					379

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	CONTRACTOR TOTAL				
	COMPUTER SOFTWARE ANALYSTS	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,936
	CRAFTSMEN CORP	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	857
	DAEDALEAN INC	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	38
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	412
	DONALDSON COMPANY INC	Minnesota	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	502
	DYNAMICS RESEARCH CORPORATION	Rhode Isld	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	777
	E G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	87
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	70
	ELECTRO RADIATION INC	New Jersey	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	281
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	590
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,633
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	40
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,822
	INFORMATION NETWORK SYSTEMS	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	62
	INFORMATION SYSTEMS NTRKS CORP	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	33
	INFOTEC DEVELOPMENT INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	260
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,272
	INTERMETRICS INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	981
	KETRON INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,614
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,339
	KOLLMORGEN CORPORATION	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	735
	LITTLE POPLES PRODUCTIVITY CTR	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	85
	LITTON SYSTEMS INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	381
					1,298

AD24 (CONTINUED)

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	LOGISTICS MANAGEMENT ENGRG	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	\$ 588
		Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	831
	CONTRACTOR TOTAL				1,419
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	398
		Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	702
	CONTRACTOR TOTAL				1,100
	MANTECH FIELD ENGINEERING	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,018
	MAR INCORPORATED	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,870
	MARCON INDUSTRIES INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	250
	MCMAHON ENGINEERING SERVICE	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	29
	MODERN TECHNOLOGIES CORP	Ohio	ARMY USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT RDTE/SERVICES - ENGINEERING DEVELOPMENT	68 111-
	STATE TOTAL				43-
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	135
	NICHOLS RESEARCH CORPORATION	New Mexico	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	471
	OMNI ANALYSIS INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	37
	CONTRACTOR TOTAL	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	140
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	177
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	175
	PHOENIX INTL UNLTD INC A CLSD	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,983
	PLANNING RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	199
	PROFESSIONAL SERVICE INDUSTRS	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,956
	PURVIS SYSTEMS INCORPORATED	Rhode Isld	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	663
	QUEST RESEARCH CORPORATION	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	80
					200

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD24 (CONTINUED)

	Virginia	ARMY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	\$ 461
		NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	253
	STATE TOTAL				714
	Virginia	ARMY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	914
	Virginia	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	526
	Rhode Isl	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	232
	New Jersey	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	680
		USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	47,890
	STATE TOTAL				36
	Penn	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	47,926
	California	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	737
	Florida	USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	48,663
	Conn	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	94
	New Jersey	ARMY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	503
	Penn	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	49
	CONTRACTOR TOTAL				1,138
	Ohio	USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	1,284
	Conn	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	2,422
	Florida	USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	170
	Penn	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	878
	New York	USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	418
	Virginia	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	1,394
	Mass	NAVY	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	242
	Ohio	USAF	RDTE/SERVICES -	ENGINEERING DEVELOPMENT	307
	CONTRACTOR TOTAL				830
	SC & A INC				1,983
	SCIENCE APPLICATIONS INTL CORP				
	SCIENTIFIC RESEARCH ASSOC				
	SEMCOR INC				
	CONTRACTOR TOTAL				
	SOFTECH INC				
	SONALYSTS INC				
	SPACE QUALIFIED SYSTEMS CORP				
	STV ENGINEERS INC				
	SUPPORT SYSTEMS ASSOCIATES				
	SYMMETRON INC				
	SYNETICS CORPORATION				
	TECHNICAL & MGT SVCS CORP				

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD24 (CONTINUED)					
	TECHNOLOGY RESEARCH INTERNTL	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	50
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	865
	UNIFIED INDUSTRIES INC	Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	241
	UNISYS CORPORATION	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,266
		Minnesota	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	172
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,173
	CONTRACTOR TOTAL				3,611
	VEDA INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,538
	VITRO CORPORATION	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	343
		Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	343
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	30
	CONTRACTOR TOTAL				716
	VSE CORPORATION	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	4,721
	WHITE H P LABORATORY INC	Maryland	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	365
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	3,053
	R&D TOTAL				120,241
	AD25 ADVANCE INCORPORATED	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	635
	ALPHATECH INC	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	130
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	549
	ANALYTIC SCIENCES CORP	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	841
	ANALYTICS INCORPORATED	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	377
		Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	570
	CONTRACTOR TOTAL				947
	ARINC RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	122
		Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,052

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD25 (CONTINUED)				
CONTRACTOR TOTAL				
ARMAMENT SYSTEMS INC	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,174
	Florida	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	35
	Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	92
CONTRACTOR TOTAL				
ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	118
ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	245
AUTOMATED SCIENCES GROUP INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	699
B P I PERSONAL MASTER	New Jersey	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,344
BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	85
	Washington	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	35
CONTRACTOR TOTAL				
CHICAGO BRIDGE & IRON COMPANY	Illinois	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	296
COMPUTER SCIENCES CORPORATION	New Jersey	ARMY NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,380
STATE TOTAL				
	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,676
	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	181
CONTRACTOR TOTAL				
CR INDUSTRIES	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,560
CRITON TECHNOLOGIES	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,269
DATEC INC FORT WALTON BEACH	Florida	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	3,829
DIGICOMP RESEARCH CORP	New York	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	4,020
EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	7,660
ELDYNE INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	15,509
CONTRACTOR TOTAL				
				95
				1,448
				119
				156
				241
				35

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD25 (CONTINUED)					
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	487
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,946
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	30
	G R D INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	363
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,000
	GLEASON RESEARCH ASSOCIATES	Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	41
	GLOBAL ASSOCIATES JV	RM	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	16,081
	GNOSTECH INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	27
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	10,168
	HONEYWELL INC	Colorado	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	218
		New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	99
	CONTRACTOR TOTAL				317
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	150
	INDUSTRIAL QUALITY INC	Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	143
	INFORMATION SYSTEMS NTRKS CORP	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	297
	INTEGRATED MICROCOMPUTER SYSTEMS	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	659
	INTERMETRICS INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	485
	INTERNATIONAL COMPUTERS TELECOM	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,190
	ITT CORPORATION	Indiana	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,067
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,609
	LOCKHEED CORPORATION	California	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	60
		Georgia	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	751
	CONTRACTOR TOTAL				811
	LORAL CORPORATION	Ohio	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	140
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	135

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD25 (CONTINUED)					
	MANTECH FIELD ENGINEERING	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	56
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	190-
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	350
	MC DONNELL DOUGLAS HELICOPTER	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	108
	METRI WAVE INC	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	50
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	151
			USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	155
	STATE TOTAL				306
	N T L INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	406
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	368
	NORTHROP CORPORATION	California	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	756
	PACER SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	117
		Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,644
	CONTRACTOR TOTAL				2,761
	PAN AM WORLD SERVICES INC	Florida	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	18,081
	PLANNING CONSULTANTS INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	445
	Q E D SYSTEMS INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	50
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	84
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,919
	R J O ENTERPRISES INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	463
	RAIL COMPANY	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	571
	RAYTHEON SERVICE COMPANY	Maine	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	143
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	506
	CONTRACTOR TOTAL				649
	RCA CORPORATION	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	421

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD25 (CONTINUED)					
	STATE TOTAL				
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	5,706
	USAF			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	6,127
	ARMY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	350
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	531
	ARMY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	60
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	97
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	840
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	228
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	682
	USAF			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,813
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	11,873
	NAVY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	136
	ARMY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	512
	ARMY			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	75
	USAF			RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	571
					646
	CONTRACTOR TOTAL				21,637
	TELEDYNE INC	Alabama	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	92
	TIME & SPACE PROCESSING INC	Virginia	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	80
	TRACOR INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	31
		Texas	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	111
	CONTRACTOR TOTAL				9,202
	TRW INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	217
	UNISYS CORPORATION	Minnesota	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	258
		New York	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	475
	CONTRACTOR TOTAL				

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD25 (CONTINUED)					
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	80
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	29
	UNIVERSITY OF PENNSYLVANIA	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	49
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,133
	VEDA INCORPORATED	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	528
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,024
	CONTRACTOR TOTAL				1,552
	VITRO CORPORATION	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	159
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,277
	CONTRACTOR TOTAL				1,436
	WALLACE & CO	N Carolina	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	291
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	148
	R&D TOTAL				155,653
AD26	ADVANCED MICROSPHERE PRODUCTS	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	43
	ADVANCED TECHNOLOGY INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,071
	AMERICAN HYPERFORM CO	D.C.	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	70
	AMHERST SYSTEMS INC	New York	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	ANALYTIC DECISION INCORPORATED	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	446
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	36-
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	3,692
	ANALYTICS INCORPORATED	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	4,994
	ANCO ENGINEERS INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	63
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,068
	ATLANTA UNIVERSITY	Georgia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	374
	ATLANTIC APPLIED RESEARCH	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	BDM CORPORATION	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,166

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD26 (CONTINUED)					
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	100
	BOEING COMPANY THE	Penn	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	90
	C. MAX CO. INC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	40
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	82
	COMMAND SYSTEMS GROUP INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	COMPUTATIONAL MECHANICS	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	COMPUTER RESOURCE ENGRG ASSOC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,218
		GERMANY, F	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	249
	CONTRACTOR TOTAL				2,467
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,303
	CONTROL DATA CORPORATION	Minnesota	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,722
	COR INC	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	570
	CORNERSTONE BUILDERS	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	32
	CREATIVE ASSOCIATES INC	D.C.	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	198
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	250
	DATASONICS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	DEFENSE RESEARCH ASSOCIATES	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	56
	DIALOG SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	98
		Michigan	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	CONTRACTOR TOTAL				147
	DIGITAL SIGNALS & SYSTEMS SPE	Ohio	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	DIGITAL WIZARDS INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	931
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,426
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	51
	E C CORPORATION	Tennessee	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	5,285

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD26 (CONTINUED)					
	E M I TECHNOLOGIES INC	New Mexico	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	78
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	54
	ELECTROIMPACT INC	Washington	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	56
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,794
	FIBERTEK INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	FLOW RESEARCH INC	Washington	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	894
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	128
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,500
	GLOBAL ASSOCIATES JV	RM	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	208-
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	5,655
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	INTEGRATED SYSTEMS ANALYSTS	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	573
	INTEGRATEL SYSTEMS INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	185
	KENTRON INTERNATIONAL	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	48
	LOGISTICS MANAGEMENT ENGRG	Maryland	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	108
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	715
	MANAGEMENT CONSULTING & RES	Virginia	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	309
	MAR INCORPORATED	Florida	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,552
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	182
	MERDAN GROUP	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	443
	MISSION SCIENCES CORP	New York	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	N K F ENGINEERING INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	431
	NAVVAR INC	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	105
	NEW TECHNOLOGY SERVICES INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	277

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD26 (CONTINUED)					
	NICHOLS RESEARCH CORPORATION	Alabama	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	OCEAN & ATMOSPHERIC SCIENCE	New York	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	54
	PACER SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	47
	PHYSICAL SCIENCE LABRATORY	New Mexico	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	93
	QUANTICS INC	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	28
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,729
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,000
	RAYTHEON COMPANY	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,278
	RCA CORPORATION	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	30,627
	REMECH INC	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	RIVERSIDE RESEARCH INSTITUTE	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,262
	S W L INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	200
	SACHSE ENGINEERING ASSOCIATES	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	180
	SCIENCE & TECHNOLOGY CORP	Maryland	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	106
	SINGER COMPANY THE	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	100
	SYNETICS CORPORATION	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	48
		Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	CONTRACTOR TOTAL				97
	SYSTEMS CONTROL INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	115
	T A O GROSS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	66
	TECUMSEH PRODUCTS COMPANY	California	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	186
	TETRA CORPORATION	New Mexico	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	TEXAS INSTRUMENTS INCORPORATED	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	147
	TEXCOM INC	Maryland	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	305

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	THE EC CORP	Tennessee	AFMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	\$
	TOYON RESEARCH CORP	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	220
	TRACOR INC	Maryland	AKMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	174
		Texas	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	55-
			NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	708
	STATE TOTAL				653
CONTRACTOR TOTAL					
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	827
	UNIVERSITY FACULTY ASSOCS	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	99
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	ZEGER-ABRAMS INCORPORATED	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	215
	R&D TOTAL				84,387
	AD32 POTOMAC RESEARCH, INCORPORATED	Virginia	ARMY	RDTE/SUBSISTENCE - EXPLORATORY DEVELOPMENT	1,090
	UNIVERSITY OF MARYLAND	Virginia	NAVY	RDTE/SUBSISTENCE - EXPLORATORY DEVELOPMENT	40
	R&D TOTAL				1,130
	AD33 HONEYWELL INC	Penn	USAF	RDTE/SUBSISTENCE - ADVANCED DEVELOPMENT	253
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SUBSISTENCE - ADVANCED DEVELOPMENT	30
	F&D TOTAL				283
	AD34 AXION CORPORATION	Alabama	ARMY	RDTE/SUBSISTENCE - ENGINEERING DEVELOPMENT	43
	AD36 FAAC PERCEPTIONICS INC	Michigan	USAF	RDTE/SUBSISTENCE - MANAGEMENT & SUPPORT	72
	SPACE SYSTEMS ENGINEERING	Utah	USAF	RDTE/SUBSISTENCE - MANAGEMENT & SUPPORT	188
	R&D TOTAL				260
	AD42 ENGINE RESEARCH ASSOCIATES	Indiana	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	60
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	217
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	305

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD42 (CONTINUED)					
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	\$ 95
	TENSAR STRUCTURES INC	New York	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	274
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	40
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	131
	WINFIELD MANUFACTURING CO INC	New York	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	56
	R&D TOTAL				1,178
AD43					
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	171
	GEOMET INC	Maryland	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	852
	I L C INDUSTRIES DELAWARE	Delaware	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	92
	INTERNATIONAL THERMAL RESEARCH	CANADA	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	75
	MILLIMETER WAVE TECHNOLOGY	Georgia	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	58
	POLAROID CORPORATION	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	77
	R&D TOTAL				1,325
AD44					
	BOEING COMPANY THE	Washington	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	2,503
	GEOMET INC	Maryland	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	330-
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	334
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	4,436
	PARA-FLITE INC	New Jersey	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	31
	STV ENGINEERS INC	Penn	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	215
	WICKES COMPANIES INC	California	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	481
	R&D TOTAL				7,670
AD45					
	EMERSON ELECTRIC CO	Missouri	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-OP SYS DEV	31
	PERCEPTIONICS INC	Michigan	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-OP SYS DEV	237
	R&D TOTAL				268
AD46					
	COOLEY INCORPORATED	Rhode Isl	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-MGMT&SUP	49

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD46	(CONTINUED)				
	OPTAGON SYSTEMS INC	New Jersey	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-MGMT&SUP	\$ 46
	R&D TOTAL				95
AD51	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/FUELS AND LUBRICANTS - RESEARCH	409
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/FUELS AND LUBRICANTS - RESEARCH	80
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH	47
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - RESEARCH	121
	SUN REFINING & MKTG COMPANY	Penn	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH	137
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH	615
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH	220
	R&D TOTAL				1,629
AD52	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	100
	BATTELL MEMORIAL INSTITUTE	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	179
	BERLIN S INC	California	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	50
	COORDINATING RESEARCH COUNCIL	Georgia	ARMY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	54
	FLORIDA INST OF TECHNOLOGY	Florida	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	30
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	173
	GEO-CENTERS INC	D.C.	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	519
	HONEYWELL INC	Minnesota	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	169
	MARQUARDT COMPANY THE	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	75
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	79
	MORTON THIOKOL INC	Utah	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	211
	PHOENIX CHEMICAL LABORATORY	Illinois	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	85
	SKF INDUSTRIES INC	Penn	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	268
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	2,022
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	98

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD52 (CONTINUED)					
	CONTRACTOR TOTAL				
	UNIVERSITY OF CALIFORNIA	Conn	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	550
	UNIVERSITY OF DAYTON INC	Florida	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	402
	WEDEREN ASSOC INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	465
					1,515
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	200
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	1,467
	WEDEREN ASSOC INC	Penn	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	58
	R&D TOTAL				7,254
AD53	AEROJET ORDNANCE TENNESSEE	Tennessee	ARMY	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	210
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	420
	RENSELAER POLYTECHNIC INST	New York	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	95
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	1,207
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	169
	R&D TOTAL				2,101
AD56	ACCEL CATALYSIS TECH	Iowa	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	140
	ADVANCED MECH TECHNOLOGY	Mass	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	51
	FLUID JET ASSOCIATES	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	50
	LUBRICATING SPC COMPANY	California	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	400
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	60
	WESTMONT INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	41
	R&D TOTAL				742
AD61	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/CONSTRUCTION - RESEARCH	49
	ALLIED SIGNAL AEROSPACE CO	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	450
	APPLIED RESEARCH CORPORATION	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	420
		Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	522

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD61 (CONTINUED)	CONTRACTOR TOTAL				
	APPLIED TCHNLOGY ASSOC INC DEL	Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	942
	E G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	150
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/CONSTRUCTION - RESEARCH	31
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/CONSTRUCTION - RESEARCH	160
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/CONSTRUCTION - RESEARCH	54
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/CONSTRUCTION - RESEARCH	61
	MC DONNELL DOUGLAS INCO INC	Florida	ARMY	RDTE/CONSTRUCTION - RESEARCH	259
	SCI TEC INC	New Jersey	ARMY	RDTE/CONSTRUCTION - RESEARCH	850
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/CONSTRUCTION - RESEARCH	389
	SYSCON CORPORATION	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	100
	TPL INC	New Mexico	ARMY	RDTE/CONSTRUCTION - RESEARCH	240
	WEIDLINGER ASSOCIATES INC	New York	ARMY	RDTE/CONSTRUCTION - RESEARCH	49
	YALE UNIVERSITY	Conn	ARMY	RDTE/CONSTRUCTION - RESEARCH	27
	R&D TOTAL				75
					3,886
AD62	APPLIED LOGIC SYSTEMS INC	New York	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	252
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	80
	CONCEPTS EII INC	Vermont	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	61
	ENGINEERING INCORPORATED	Virginia	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	25
	G R ASSOCIATES INC	Maryland	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	107
	GEO-CENTERS INC	Mass	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	525
	GREEN MOUNTAIN RADIO RES CO	Vermont	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	207
	HANNIGAN CONSTRUCTION CO	Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	50
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	150
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	243

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD62 (CONTINUED)					
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	79
	OPOCOA INC	California	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	50
	PACIFIC SIERRA RESEARCH CORP	N Carolina	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	75
	PHOTONICS SYSTEMS, INC	Florida	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	64
	QUEST RESEARCH CORPORATION	Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	150
	RESOURCE INTERNATIONAL INC	Ohio	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	80
	SACHS FREEMAN ASSOCIATES	Maryland	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	60
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	82
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	133
		Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	968
	CONTRACTOR TOTAL				1,101
	VARIAN ASSOCIATES INC	Mass	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	42
	R&D TOTAL				3,483
	AD63 ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	1,600
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	60
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	413
	BRUNSWICK CORPORATION	Virginia	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	133
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	144
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	46,414
		Florida	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	184
	CONTRACTOR TOTAL				46,598
	RESEARCH & DEV LABORATORIES	California	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	672
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	100
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	300
	R&D TOTAL				50,020

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD64	ALLIED DEFENSE INDUSTRIES INC	Virginia	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	31
	C P INDUSTRIES, INC	Penn	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	50
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	386
	SOUTHWEST RESEARCH INSTITUTE	California	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	62
	VACCO INDUSTRIES	California	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	27
	R&D TOTAL				556
AD65	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	48
	PACIFIC SIERRA RESEARCH CORP	New Mexico	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	749
	THERMO ELECTRON CORPORATION	Mass	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	46
	UNISYS CORPORATION	Virginia	NAVY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	280
	R&D TOTAL				1,123
AD66	LOCUS INC	Penn	NAVY	RDTE/CONSTRUCTION - MANAGEMENT & SUPPORT	49
AD91	A C A INDUSTRIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	A J DEVANEY ASSOC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	A P A OPTICS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,520
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	450
	STATE TOTAL				1,970
	ABT ASSOCIATES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	26
	ACUREX CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	ADAPTIVE COMPUTER TECHNOLOGY	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	45
	ADVANCED AEROMECHANISMS CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	85
	ADVANCED DECISION SYSTEMS	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	224
			USAF	RDTE/OTHER DEFENSE - RESEARCH	150
	STATE TOTAL				374
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	66
	ADVANCED TECH MATERIALS INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	ADVANCED TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,212

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	33
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - RESEARCH	87
	AEROJET SOLID PROPULSION CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	425
	AL EINSTEIN COL MED YESH UNIV	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	ALABAMA CRYOGENIC ENGINEERING	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	270
	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	577
	ALLIED SIGNAL AEROSPACE CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	774
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	13,064
	CONTRACTOR TOTAL				13,838
	ALLIED SIGNAL INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	155
	ALPHATECH INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	359
	AMERICAN FOUNDATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	193
	AMERICAN INST BIOLOGCL SCIENCE	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	94
	AMERICAN MAGNETICS INC	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	228
	AMERICAN RED CROSS	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	74
	AMERICAN SOC FOR ENGRG EDUCATN	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,842
	AMOCO TECHNOLOGY CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	95
	ANALYSIS & SIMULATION INC	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	59
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	485
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,270
	CONTRACTOR TOTAL				2,755
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	ANALYTICAL METHODS INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	81
	ANALYTIX ELECTRONIC SYSTEMS	N.H.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	52

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	APPLICATIONS RESEARCH CORP	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	110
	APPLIED PHYSICS TECHNOLOGY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	APPLIED RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	54
	APPLIED TECHNOLOGIES INC	Colorado	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	APTEC COMPUTER SYSTEMS INC	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	AQUANAUTICS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,200
	ARCTIC ANALYSTS INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ARDAK CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	875
	ARETE ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,018
	CONTRACTOR TOTAL	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	ARGOTEC INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,268
	ARIZONA STATE UNIVERSITY	Arizona	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	ARTEC ASSOCIATES INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,366
	ARTECH CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	38
	ASSOC UNIV RESEARCH ASTRONOMY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/OTHER DEFENSE - RESEARCH	6,332
	ATLANTA UNIVERSITY	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	96
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	350
	CONTRACTOR TOTAL	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	549
	AUBURN UNIVERSITY	Alabama	USAF	RDTE/OTHER DEFENSE - RESEARCH	72
	AUSTIN RESEARCH ASSOCIATES	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	621
	AVCO RESEARCH LABORATORY INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
					125
					410

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	AVTEC SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	B-K DYNAMICS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	473
	BALL CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	487
	BAND LAVIS & ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - RESEARCH	250
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	60
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
			USAF	RDTE/OTHER DEFENSE - RESEARCH	100
					410
	BATTERY ENGINEERING (INC)	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	56
	BDM CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	99
		New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	171
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	350
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,283
					1,633
	CONTRACTOR TOTAL	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	360
					2,263
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	450
	BETA POWER INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	282
	BIGELOW LAB FOR OCEAN SCNCES	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH	341
	BIO METRIC SYSTEMS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	468
	BIOMAGNETIC TECHNOLOGIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	364
	BIOSPHERICAL INSTRUMENTS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	278
	BLOOD CTR OF STHEASTERN WI INC	Wisconsin	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	BOEING COMPANY THE	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	380
			USAF	RDTE/OTHER DEFENSE - RESEARCH	4,109
					4,489
	BOEING ELECTRONICS CO	Washington	ARMY	RDTE/OTHER DEFENSE - RESEARCH	112

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	BOFORS A B	SWEDEN	ARMY	RDTE/OTHER DEFENSE - RESEARCH	\$ 4,588
	BOLT BERANEK & NEWMAN INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	718
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	8,211
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,083
	STATE TOTAL				12,294
					13,012
	CONTRACTOR TOTAL				147
	BOOZ ALLEN & HAMILTON INC	Virginia	USAF	RDTE/OTHER DEFENSE - RESEARCH	47
	BOSION COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	560
	BOSTON UNIVERSITY TRUSTEES OF	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	BOWLING GREEN STATE UNIVERSITY	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	158
	BRIGHAM YOUNG UNIVERSITY	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,475
	BROWN UNIV PRV ST RI PLAN	Rhode Islnd	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	BRUBAKER INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	BRUNSWICK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,251
	CALIFORNIA INST OF TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	CALIFORNIA RES & TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	244
	CALIFORNIA STATE UNIV - CHICO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	219
	CALSPAN CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	325
			USAF	RDTE/OTHER DEFENSE - RESEARCH	544
	STATE TOTAL				175
	CAMBRIDGE HYDRO-DYNAMICS INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,511
	CAMPBELL ENGINEERING INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	120
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/OTHER DEFENSE - RESEARCH	252
	CARNEGIE GROUP INC	Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	2,121
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	CASE WESTERN RESERVE UNIV	Ohio	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	4,212 1,328
		STATE TOTAL			7,661
	CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	331
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	498
	CERAMATEC INC	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	618
	CERAMICS PROCESS SYSTEMS CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,356
	CHASE INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	71
	CHI SYSTEMS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	117
	CHIA SHUN YIH	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	CITY UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	CITY UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	619
	CLARKSON UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
	CLEMSON UNIVERSITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	645
	COLLEGE OF WILLIAM/MARY VA	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	71
	COLORADO SCHOOL OF MINES	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	644
	COLORADO STATE UNIVERSITY	Colorado	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	30 1,369
		STATE TOTAL			1,399
	COLSA INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	750
	COLUMBIA RESEARCH CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	191
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,628
	COMPUTATIONAL LOGIC INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	COMPUTATIONAL MECHANICS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	116
	COMPUTER DATA SYSTEMS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - RESEARCH	593
	COMPUTER SCIENCES CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	2,658
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	105
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,948
		STATE TOTAL			4,998
	COVALENT ASSOC INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	CREE RESEARCH INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	95
	CRYSTAL RESEARCH	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	47
	CRYSTALLUME	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	CYBER OPTICS CORPORATION	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	122
	DARTMOUTH COLLEGE	N.H.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,154
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	DAVIDSON COLLEGE INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	DBA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	418
		Florida	ARMY	RDTE/OTHER DEFENSE - RESEARCH	79
					497
					666
	DEACON RESEARCH	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	DECISION SCIENCE CONSORTIUM	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	227
	DECISION-SCIENCE APPLICATIONS	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	70
	DEEP OCEAN TECHNOLOGIES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,699
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	DELTA DATA SYSTEMS CORPORATION	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	DESMATICS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	
	CONTRACTOR TOTAL				

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	DIAMOND MATERIALS INSTITUTE	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	152
	DIGITAL SIGNAL CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	270
	DISPLAYTECH INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	DISTRICT COLUMBIA GOVERNMENT	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	63
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	47
	DR HERMAN MEDWIN	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	140
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,162
	DUCOTE ENGINEERING ASSOC INC	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	DUKE UNIVERSITY	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,183
	DUQUESNE UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	DYNA EAST CORPORATION	Penn	USAF	RDTE/OTHER DEFENSE - RESEARCH	201
	DYNALYSIS OF PRINCETON	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	DYNAMET TECHNOLOGY INC	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	93
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	521
	DYNETICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	198
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	901
	E P L ANALYSIS	Maryland	NAVY	RDTE/OTHER DEFENSE - FESEARCH	370
	EAGLE RESEARCH GROUP, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	486
	EASTMAN KODAK COMPANY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	763
	EDUCATIONAL TESTING SERVICE	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	139
	EG&G MASON	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	108
	EIKONIX CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	ELECTRO-OPTIK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	63

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	ELECTROSPACE SYSTEMS INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	\$	30
	EMORY UNIVERSITY	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		337
	ENERGY COMPRESSION RESEARCH	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		52
	ENGINEERING RESEARCH ASSOC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		416
	ENGINEERING TECHNOLOGIES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		343
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,674
			USAF	RDTE/OTHER DEFENSE - RESEARCH		236
						2,910
			STATE TOTAL			
	ENVIRONMENTAL AIR CONTROL INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		65
	ESL INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		969
	ESSEX CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		625
	EVANS CHARLES & ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		129
	EVEREADY BATTERY CO, INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH		148
	EXC... TECHNOLOGY INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	FAGIN SAMUEL L ASSOC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		29
	FEDERAL AMRCN ASSN ADMIN BLOGY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		90
	FIBER MATERIALS INC	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH		49
	FIBERTEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		49
	FINKELSTEIN ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		40
	FLORIDA ATLANTIC UNIVERSITY	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		60
	FLORIDA STATE UNIV NOT INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		60
	FLOUROCHEM INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		366
	FLOW INDUSTRIES INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH		102
	FMC CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		253
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH		393

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	\$ 211
		STATE TOTAL			604
	FRIED D L ASSOCIATES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	241
	FUJITA T THEODORE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	G T E LABORATORIES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
			USAF	RDTE/OTHER DEFENSE - RESEARCH	49
		STATE TOTAL			110
	GA TECHNOLOGIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	939
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	344
		Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	483
		Texas	ARMY	RDTE/OTHER DEFENSE - RESEARCH	44-
	CONTRACTOR TOTAL				783
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	969
			USAF	RDTE/OTHER DEFENSE - RESEARCH	50
		STATE TOTAL			1,019
		Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	321
	CONTRACTOR TOTAL				1,340
	GENERAL HOSPITAL CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	112
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/OTHER DEFENSE - RESEARCH	166
	GENERAL SCIENCES INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	55
	GENEX CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	90
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	83
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	350
	CONTRACTOR TOTAL				433
	GEORGE MASON UNIVERSITY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	468
	GEORGE WASHINGTON UNIV THE	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	8,209

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	221
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,046
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,437
			USAF	RDTE/OTHER DEFENSE - RESEARCH	425
		STATE TOTAL			3,908
	GEORGIA STATE OF	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	255
	GINER INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	GLADIEUX CORPORATION	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	323
	GOVERNMENT TECHNOLOGY SERVICES	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	47
	HAHNEMANN UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	160
	HAMATSU PHOTONICS SYSTEMS CORP	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	HAMPTON UNIVERSITY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	72
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	665
	HARVARD COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,970
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	HELICON FOUNDATION THE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	181
	HIGH TECH SENSORS INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	HILL ROBERT D DR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	HOLOMETRIX INC	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	40
	HONEYWELL INC	Minnesota	ARMY	RDTE/OTHER DEFENSE - RESEARCH	100
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,495
			USAF	RDTE/OTHER DEFENSE - RESEARCH	97
		STATE TOTAL			1,692
	HERRIGAN ANALYTICS	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	391
	HOWARD UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	106
	HRB-SINGER INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	147

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,614
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,532
			USAF	RDTE/OTHER DEFENSE - RESEARCH	2,198
		STATE TOTAL			4,730
	HUGHES ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,299
	HUMAN RSRCES RES ORGANIZATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	93
	HUMRO INTERNATIONAL INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	420
	HURD HARRY L ASSOCIATES INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	150
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	524
	I A P RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	45
	I T T EDUCATIONAL SERVICES	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	151
	IAP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ICE CASTING INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	39
	INDIANA STATE UNIVERSITY	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	26
	INDIANA UNIVERSITY FOUNDATION	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	225
	INERTIA SWITCH INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	166
	INFORMATION SPECTRUM INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	79
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	75
	INFORMATION VENTURES INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	185
	INFOSOFT DESIGN ASSOC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	INSTITUTE FOR SCIENTIFIC INFO	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	135
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	498
	INTERFEROMETRICS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	INTERMETRICS INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	339
	INTERNATIONAL BUS MCHS CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	514

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	INTERNATIONAL FUEL CELLS CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	143
			USAF	RDTE/OTHER DEFENSE - RESEARCH	4,154
	IONIC ATLANTA INCORPORATED	STATE TOTAL			4,297
		New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,403
	IOWA STATE UNIV SCNC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
					6,249
	CONTRACTOR TOTAL				381
	IRVINE SENSORS CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	77
	ITE INC	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	214
	ITT CORPORATION	Iowa	NAVY	RDTE/OTHER DEFENSE - RESEARCH	89
			USAF	RDTE/OTHER DEFENSE - RESEARCH	303
		STATE TOTAL			51
	JACKSON LABORATORY, THE	California	USAF	RDTE/OTHER DEFENSE - RESEARCH	80
	JACKSON STATE UNIVERSITY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	565
	JAMAR TECH INC	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,056
	JAMIESON SCIENCE & ENGINEERING	New Jersey	USAF	RDTE/OTHER DEFENSE - RESEARCH	1,701
	JAYCOR	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	114
	JOHNS HOPKINS UNIVERSITY	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH	48
	KANSAS STATE UNIV	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	KANSAS STATE UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	56
	KAPOS ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	138
		California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,604
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
		Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	208
		Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	40
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	KENT STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	300
	KESTREL INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	138
	KETRON INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	242
	KRAUS ERIC B	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	149
	LA JOLLA INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	708
	LANXIDE CORP	Delaware	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,700
	LASER POWER CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	LASERGENICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	80
	LECTRO MECHANICAL DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	LEHIGH UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,145
	LIBRARY OF CONGRESS	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	36
	LITTON INDUSTRIES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	242
	LITTON SYSTEMS INC	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	667
		New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	157
	CONTRACTOR TOTAL				824
	LOCKHEED CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	109
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,882
	LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	997
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	234
	CONTRACTOR TOTAL				1,231
	LONG ISLAND UNIVERSITY INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	53
	LOUISIANA STATE UNIVERSITY	Louisiana	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	849 50
	STATE TOTAL				899

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	LOYOLA COLLEGE	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	LOYOLA UNIVERSITY OF CHICAGO	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	LSA INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	203
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	170
	LUMONICS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	35
	M M R TECHNOLOGIES, INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	208
	M/A COM LINKABIT INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	230
	MAC AULAY-BROWN INC	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	290
	MAGMA-SEAL INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MANTECH INTERNATIONAL CORP	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	199
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	CONTRACTOR TOTAL				249
	MARBLE ASSOCIATES, INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MARINE BIOLOGICAL LABORATORY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MARK RESOURCES INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	42
	MARTIN MARIETTA CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	381
		D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,055
	CONTRACTOR TOTAL				2,497
	MARYLAND MEDICAL LABORATORY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	MASSACHSTTS INST OF TECHNOLOGY	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	38
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	20,994
			USAF	RDTE/OTHER DEFENSE - RESEARCH	147
	STATE TOTAL				21,179
	MASSACHUSETTS UNIVERSITY OF	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,568
		Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	39
	CONTRACTOR TOTAL				3,607

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	
AD91 (CONTINUED)					
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	\$ 49
	MATHTECH INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	263
	MAXWELL LABORATORIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	643
	MAYO FOUNDATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
		Maryland	USAF	RDTE/OTHER DEFENSE - RESEARCH	300
		Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH	80
			USAF	RDTE/OTHER DEFENSE - RESEARCH	193
					273
				STATE TOTAL	633
	CONTRACTOR TOTAL				98
	MCDONNELL DOUGLAS TRAINING SYS	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	149
	MCPHEE RESEARCH CO	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	MEDICAL COLLEGE OF PA	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	283
	MEDICAL RES FNDTION OF OREGON	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	MELLON PITT CARNEGIE CORP	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	199
	MEMPHIS STATE UNIVERSITY	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	182
	MERIDIAN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	232
				STATE TOTAL	79
	MERRIFIELD LABORATORIES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	146
	METRATEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	447
	METSAI INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	717
	MICHIGAN STATE UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	182
	MICHIGAN TCHNLGAL UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	MICROELECTRNCs CTR OF NC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	499
	MICROEXPERT SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	349
	MIDWEST BIOLASER INSTITUTE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - RESEARCH	\$ 5,081
	MINNESOTA MIN & MFG COMPANY	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	65
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	865
	MISSISSIPPI STATE UNIV	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	175
	MONTANA STATE UNIVERSITY	Montana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	205
	MONTEREY BAY AQUARIUM	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	69
	MORTON THIOKOL INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	124
	MOTOROLA INC	Arizona	ARMY	RDTE/OTHER DEFENSE - RESEARCH	256
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	74
		STATE TOTAL			330
	MULTIARC SCIENTIFIC COATINGS	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	82
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	743
	NATIONAL OPINION RESEARCH CTR	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	98
	NATIONAL SCIENCE FOUNDATION	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,090
	NATIONAL TECHNOLOGICAL UNIV	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	180
	NEUROSCIENCES RES FOUND INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	NEW ENGLAND DEACONESS HOSP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	156
	NEW ENGLAND MED CTR HOSPITALS	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	88
	NEW JERSEY INST OF TECHNOLOGY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	55
	NEW MEXICO STATE UNIVERSITY	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	54
	NEW MXICO INST OF MIN TCHNLGY	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	NEW YORK BLOOD CENTER INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	492
	NEW YORK UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,865
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	225
	NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	284

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	NORTH CAROLINA A&T UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	450
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,027
	NORTH TEXAS STATE UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	NORTHEASTERN OH UNIV CLG MD	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	80
	NORTHEASTERN UNIVERSITY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	348
	NORTHERN ILLINOIS UNIVERSITY	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	107
	NORTHROP CORPORATION	California	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	2,478 1,250
		STATE TOTAL			3,728
	NORTHWEST RSCH ASSOC INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	304
	NORTHWESTERN UNIVERSITY	Illinois	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	1,885 175
		STATE TOTAL			2,060
	NOVA UNIVERSITY INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	145
	OCCIDENTAL COLLEGE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	OCEAN DATA SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,815
	OCEAN REMOTE SENSING & ENGRG	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	923
	OHIO STATE UNIVERSITY	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	118
		Ohio	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	234 1,606 203
		STATE TOTAL			2,043
	CONTRACTOR TOTAL				2,161
	OLD DMNION UNIV RES FUNDATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	151
	OPTICOMP CORP INC	Nevada	NAVY	RDTE/OTHER DEFENSE - RESEARCH	300
	OPTIVISION INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	OPTRON SYSTEMS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	172

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	OREGON GRAD CNTR STUCY/RESERCH	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	468
	OREGON HEALTH SCIENCES UNIV	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	266
	OREGON STATE UNIVERSITY	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	7,488
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	437
	ORTEL CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	OVONIC SYNTHETIC MATERIALS CO	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	OWENS-CORNING FIBERGLAS CORP	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	295
	P D A ENGINEERING	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	PACIFIC MARINE ENVIRON LAB	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	185
	PACIFIC SIERRA RESEARCH CORP	California	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	94 336
			STATE TOTAL		430
	PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	555
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	158
	PENNSYLVANIA HOSPITAL	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	72
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	180 6,726
			STATE TOTAL		6,906
	PENNZOIL PRODUCTS CO	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
	PERCEPTRONICS INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	207
		Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	216
	CONTRACTOR TOTAL				423
	PERSONNEL DCSONS RES INSTITUTE	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	118
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	147

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	PHYSICAL RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	347
	PHYSICAL SCIENCES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	148
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
		Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	101
	CONTRACTOR TOTAL				301
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,999
	POLARIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	482
	POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	943
	PORTLAND STATE UNIVERSITY	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	POWER CONVERSION INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	172
	POWER SPECTRA INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	458
	PRECISION NAVIGATION INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	PRES&FELLOWS OF HARVARD COL	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	76
	PRINCETON UNIVERSITY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,697
	PROCEEDYNE CORP	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	PROFESSIONAL MANAGEMENT ASSOC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	360
	PULSE SCIENCES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	371
	PURDUE UNIVERSITY	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,203
		USAF		RDTE/OTHER DEFENSE - RESEARCH	33
	STATE TOTAL				6,236
	QUAKER ALLOY INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	QUANTEX CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
	QUANTICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	178

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	-R&D DESCRIPTION-	\$
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	R & D ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	RADIATION MONITORING DEVICES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	228
	RAVEN INC	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	483
	RAYTHEON COMPANY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
		Cal fornia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,909
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,524
					271
	STATE TOTAL				1,795
		Rhode Islnd	NAVY	RDTE/OTHER DEFENSE - RESEARCH	940
	CONTRACTOR TOTAL				2,785
	RCA CORPORATION	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,480
	REFRACTORY COMPOSITES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,001
	STATE TOTAL				4,051
		New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	RESEARCH FNDTN MTL HLTH	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	272
	RESEARCH OPPORTUNITIES INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,330
	RESEARCH TRIANGLE INSTITUTE		USAF	RDTE/OTHER DEFENSE - RESEARCH	415
	STATE TOTAL				2,745
		California	USAF	RDTE/OTHER DEFENSE - RESEARCH	95
	RESOURCE MANAGEMENT ASSOC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,158
	RICE WILLIAM MARSH UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	201
	RIVERSIDE RESEARCH INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,857
	ROCKWELL INTERNATIONAL CORP	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	285
	RONDOUT ASSOCIATES INC				

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD91 (CONTINUED)

ROSWELL PARK MEM INST	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		98
ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH		61
ROWE DEINES INSTRUMENTS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		49
RUTGERS THE STATE UNIVERSITY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,293
S T D RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		52
SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,382
	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,096
CONTRACTOR TOTAL					2,478
SAN DIEGO AIRCRAFT ENGRG	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH		548
SAN JOSE STATE UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		286
SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - RESEARCH		47
SANDERS FREDERICK DR	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		31
SAXPY COMPUTER CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		96
SCHAFFER W J ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH		500
SCHLUMBERGER LIMITED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		43
SCHWARTZ ELECTRO-OPTICS INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		114
SCI TEC INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH		85
	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH		279
CONTRACTOR TOTAL					364
SCIENCE & TECHNOLOGY CORP	New Mexico	ARMY	RDTE/OTHER DEFENSE - RESEARCH		392
	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		147
CONTRACTOR TOTAL					539
SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		7,885
	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH		356
		NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,493

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	STATE TOTAL	\$
AD91 (CONTINUED)						
	CONTRACTOR TOTAL					
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,849
	SCIENTIFIC RESEARCH ASSOC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		9,734
	SCIENTIFIC RESEARCH CENTER INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,775
	SCIENTIFIC SYSTEMS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		324
	SCRIPPS CLINIC RES FOUNDATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		28
	SEA TECH INC	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH		59
	SEACO INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		171
	SETS INC	Hawaii	NAVY	RDTE/OTHER DEFENSE - RESEARCH		797
	SHIHYUNG SECURITY TECHNOLOGY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		38
	SIAGENIC INC	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	SIGMA RESEARCH INC	Washington	ARMY	RDTE/OTHER DEFENSE - RESEARCH		65
	SIGNITION INCORPORATED	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	SILICON GRAPHICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		49
	SIMMONDS PRECISION PRODUCTS	Vermont	USAF	RDTE/OTHER DEFENSE - RESEARCH		290
	SMITHSONIAN INSTITUTION	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH		68
		Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		33
						130
						75
	CONTRACTOR TOTAL					205
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		65
	SOFTWARE OPTIONS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		463
	SONOGUEST ADVANCED	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		53
	SOUTH CAROLINA RES AUTHORITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH		16,161
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/OTHER DEFENSE - RESEARCH		853

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	SOUTHERN ILLINOIS UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - RESEARCH	720
	SOUTHERN METHODIST UNIVERSITY	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,573
	SOUTHERN RESEARCH INSTITUTE	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	604
	SOUTHWEST RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	134
		Texas	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,821
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	428
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	238
	STATE TOTAL				666
	SPARTA INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	286
	SPECTRA TECHNOLOGY INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	86
	SPECTRON DEVELOPMENT LABS	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	120
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	53
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	326
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	5,945
			USAF	RDTE/OTHER DEFENSE - RESEARCH	175
	STATE TOTAL				6,446
	SRI INTL	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	STANFORD UNIVERSITY	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	301
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	17,072
			USAF	RDTE/OTHER DEFENSE - RESEARCH	560
	STATE TOTAL				17,933
	STANLEY ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	153
	STATE OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER DEFENSE - RESEARCH	130
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	141
	STATE TOTAL				271
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,256
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	456
	STRATEGIC ANALYSIS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50

AD-A207 631

DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND
SERVICE CATEGORY BY C. (U) WASHINGTON HEADQUARTERS
SERVICES (DOD) DC DIRECTORATE FOR INF. 1988
DIOR/ST06-88-PT-1 F/G 5/1

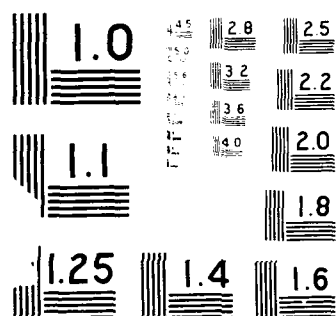
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UNCLASSIFIED

F/G 5/1

NL

A 10x10 grid of squares. The top-left square is missing, creating a shape that resembles a staircase or a corner. The grid is composed of 99 squares in total.



PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	STRUCTURED SOFTWARE DEV	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	103
	SUMMIT RESEARCH CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	93
	SUNREZ CORPORATION	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	196
	SUPERCONDUCTOR TECH INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	SYNTEK	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	27-
	SYRACUSE UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	SYSCON CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	SYSTEM DEVELOPMENT CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,370
	SYSTEM ENGINEERING & DEV	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	SYSTEM PLANNING CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	387
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	310
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	320
			ARMY	RDTE/OTHER DEFENSE - RESEARCH	100
			USAF	RDTE/OTHER DEFENSE - RESEARCH	488
					100
					588
	STATE TOTAL				
	SYSTEMS & ELECTRONICS INC	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	8,584
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,414
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	2,381
		Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	295
					2,676
	CONTRACTOR TOTAL				
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	701
	TANTALUS INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	40
	TELEDYNE INDUSTRIES INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	119
	TEMPLE UNVRSTY/CMNWLTH SYST	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	991
	TETRA CORPORATION	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	\$
AD91 (CONTINUED)					
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	153
	TEXAS A & M UNIV SYS THE	Texas	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	1,792 152
		STATE TOTAL			1,944
	TEXAS CHRISTIAN UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	1,758 44
		STATE TOTAL			1,802
	TEXAS RESEARCH INSTITUTE INC	Texas	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	50 675
		STATE TOTAL			725
	TEXAS TECH UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	THATCHER JONES ASSOC INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	THERMO ELECTRON CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	240
	THERMO ELECTRON TECH CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	394
	TITAN CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	439
	TOCCO INC	Michigan	ARMY	RDTE/OTHER DEFENSE - RESEARCH	42
	TRACOR INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	261
	TRANS-SCIENCE CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	291
	TRW INC	California	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	9,905 285
		STATE TOTAL			10,190
	CONTRACTOR TOTAL	Georgia	USAF	RDTE/OTHER DEFENSE - RESEARCH	441
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	169
	TUFTS UNIVERSITY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	284
	TULANE UNIVERSITY	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	103

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD91 (CONTINUED)

TUSKEGEE UNIVERSITY	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH		446
U S DEPARTMENT OF COMMERCE	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH		775
		USAF	RDTE/OTHER DEFENSE - RESEARCH		60
	STATE TOTAL				835
	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH		395
	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,111
	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH		35
	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH		376
CONTRACTOR TOTAL					3,752
UFI	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		49
ULTRAMET	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH		55
ULTRASYSTEMS INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
ULTRASYSTEMS WESTERN CONSTR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		110
UNISYS CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		210
	Virginia	USAF	RDTE/OTHER DEFENSE - RESEARCH		4,223
CONTRACTOR TOTAL					4,433
UNITED ST DEPT INTERIOR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		461
UNITED STATES DEPT ENERGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		461
	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	Idaho	NAVY	RDTE/OTHER DEFENSE - RESEARCH		170
	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH		411
	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		161
	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH		66
CONTRACTOR TOTAL					1,319
UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,548

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			USAF	RDTE/OTHER DEFENSE - RESEARCH	\$ 71
	CONTRACTOR TOTAL		STATE TOTAL		1,619
		Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,914
		Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,533
	UNIV CORP FOR ATMOSPHERIC RSC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,180
	UNIV OF CAL AT SANTA BARBARA	Florida	ARMY	RDTE/OTHER DEFENSE - RESEARCH	62
	UNIV OF CENTRAL FLORIDA	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	300
	UNIV OF COLORADO	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	319
	UNIV OF KANSAS	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	83
	UNIV OF NEW YORK AT STONY BRO	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	186
	UNIVER/PGH COMMON SYST EDUC		NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	1,483 98
			STATE TOTAL		1,581
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	1,833
	UNIVERSITY NOTRE DAME	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	889
	UNIVERSITY OF AKRON	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	37
	UNIVERSITY OF ALABAMA	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	576
	UNIVERSITY OF ALASKA	Alaska	NAVY	RDTE/OTHER DEFENSE - RESEARCH	144
	UNIVERSITY OF ARIZONA	Arizona	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,236
	UNIVERSITY OF ARKANSAS	Arkansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	160
	UNIVERSITY OF CALIFORNIA	California	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH	41,109 607
			STATE TOTAL		41,716
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	225
	UNIVERSITY OF CHICAGO THE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,683
	UNIVERSITY OF CINCINNATI	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	37

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
				USAF	RDTE/OTHER DEFENSE - RESEARCH	\$
				STATE TOTAL		37
	UNIVERSITY OF COLORADO	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH		74
	UNIVERSITY OF CONNECTICUT	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,333
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH		2,269
	UNIVERSITY OF DELAWARE	Delaware	NAVY	RDTE/OTHER DEFENSE - RESEARCH		979
			USAF	RDTE/OTHER DEFENSE - RESEARCH		974
						62
			STATE TOTAL			1,036
	UNIVERSITY OF FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		408
			USAF	RDTE/OTHER DEFENSE - RESEARCH		50
			STATE TOTAL			458
	UNIVERSITY OF GEORGIA	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		172
	UNIVERSITY OF HAWAII	Hawaii	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,835
	UNIVERSITY OF HEALTH	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH		27
	UNIVERSITY OF HOUSTON SYSTEM	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH		378
	UNIVERSITY OF IDAHO	Idaho	NAVY	RDTE/OTHER DEFENSE - RESEARCH		38
	UNIVERSITY OF ILLINOIS	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH		100
		Illinois	ARMY	RDTE/OTHER DEFENSE - RESEARCH		165
			NAVY	RDTE/OTHER DEFENSE - RESEARCH		8,246
			STATE TOTAL			8,411
	CONTRACTOR TOTAL					8,511
	UNIVERSITY OF IOWA THE	Iowa	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,216
	UNIVERSITY OF KANSAS	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH		200
	UNIVERSITY OF KENTUCKY	Kentucky	NAVY	RDTE/OTHER DEFENSE - RESEARCH		155
	UNIVERSITY OF LOUISVILLE	Kentucky	NAVY	RDTE/OTHER DEFENSE - RESEARCH		178
	UNIVERSITY OF LOWELL	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH		317
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		6,807

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)					
UNIVERSITY OF MIAMI INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
UNIVERSITY OF MICHIGAN	Michigan	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		3,100 757
STATE TOTAL					
UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,785
UNIVERSITY OF MISSISSIPPI	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH		170
UNIVERSITY OF MISSOURI	Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH		517
UNIVERSITY OF NEBRASKA	Nebraska	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		26 109
STATE TOTAL					
UNIVERSITY OF NEVADA SYSTEM	Nevada	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
UNIVERSITY OF NEW MEXICO	New Mexico	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		520 110
STATE TOTAL					
UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		112 1,883
STATE TOTAL					
UNIVERSITY OF OKLAHOMA	Oklahoma	NAVY	RDTE/OTHER DEFENSE - RESEARCH		171
UNIVERSITY OF OREGON	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH		556
UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		3,804
UNIVERSITY OF PUERTO RICO	PUERTO RIC	NAVY	RDTE/OTHER DEFENSE - RESEARCH		185
UNIVERSITY OF RHODE ISLAND	Rhode Isld	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,648
UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,059
UNIVERSITY OF SOUTH ALABAMA	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH		124
UNIVERSITY OF SOUTH CAROLINA	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH		266
UNIVERSITY OF SOUTHERN CALIF	California	ARMY NAVY	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		4,133 5,786

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD91 (CONTINUED)

UNIVERSITY OF SOUTHERN MISSISS	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH		\$ 9,919
UNIVERSITY CF TENNESSEE	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH		133
UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		1,696
					4,730
					155
					4,885
STATE TOTAL					1,726
UNIVERSITY OF UTAH	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH		45
UNIVERSITY OF VERMONT	Vermont	NAVY	RDTE/OTHER DEFENSE - RESEARCH		809
UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		11,053
UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,357
UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		38
					2,395
STATE TOTAL					740
UNIVERSITY OF WYOMING	Wyoming	NAVY	RDTE/OTHER DEFENSE - RESEARCH		100
US DEPT OF COMM	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		110
US DEPT OF COMMERCE	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH		125
US FOOD & DRUG ADMIN	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		56
UTAH STATE UNIVERSITY	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,839
VANDERBILT UNIVERSITY THE	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH		437
VARIAN ASSOCIATES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		84
VESTAR RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		78
VIRGINIA COMMONWEALTH UNIV	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		32
VIRGINIA PLYTHNIC INST/ST UNI	Virginia	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH RDTE/OTHER DEFENSE - RESEARCH		1,514
					600
					2,146
STATE TOTAL					175
VISTA RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	WALLACE T H INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	51
	WASHINGTON STATE UNIVERSITY	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	820
	WASHINGTON UNIVERSITY	Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH	366
	WAYNE STATE UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	68
	WEST VIRGINIA UNIVERSITY	W Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	274
	WESTEC SERVICES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	WESTERN MICHIGAN UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	39
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	9,182
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	394
		Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	90
		Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	111
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	497
			USAF	RDTE/OTHER DEFENSE - RESEARCH	65
					673
	CONTRACTOR TOTAL				1,157
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	WINZEN INTERNATIONAL INC	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	48
	WON I J GEOPHEX LTD	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	WOODS HOLE OCEANOGRAPHIC INSTN	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	13,143
	WRIGHT STATE UNIVERSITY	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	124
			USAF	RDTE/OTHER DEFENSE - RESEARCH	470
					594
	STATE TOTAL				31
	WYATT TECHNOLOGY CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	58
	XEDAR CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	XENOLOGIC INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	210
	XEROX CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				
	XONTECH INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	YALE UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	267
	ZENITH DATA SYSTEMS CORP	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	R&D TOTAL	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	5,156
					203
					615,155
AD92	A E C DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	A T & T TECHNOLOGIES INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,040
		N Carolina	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	182
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	240	
	STATE TOTAL				422
					1,462
	CONTRACTOR TOTAL				
	A T S S INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	ACTRAN SYSTEMS INC	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	ACUREX CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	564
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176
	CONTRACTOR TOTAL				740
	ADAPTIVE OPTICS ASSOCIATES INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
	ADAPTIVE SENSORS INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	336
	ADVANCED AEROMECHANISMS CORP	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	84
	ADVANCED COMMUNICATION ENG CO	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	ADVANCED COMPOSITE ENGRG	Indiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,327
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	832	
	STATE TOTAL				3,159

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)					
ADVANCED MARINE ENTERPRISES	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$	207
ADVANCED RES & APPLICATIONS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		930
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		246
	STATE TOTAL				1,176
ADVANCED SCIENCES INC	New Mexico	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		30
ADVANCED TECH MATERIALS INC	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		375
ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		43
ADVANCED TECHNOLOGY INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		80
ADVANCED TECHNOLOGY SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		491
AERO THERMA SYS & STRUCTURES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		49
AERODYNE RESEARCH INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		435
AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		3,657
AEROJET SOLID PROPULSION CO	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		269
AEROVIRONMENT INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		48
AGBABIAN ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		30
AIR PRODUCTS AND CHEMICALS	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		233
ALABAMA CRYOGENIC ENGINEERING	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
ALLEN CORPORATION OF AMERICA	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		100
ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,236
	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		80
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		669
	STATE TOTAL				749
	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,611
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		284
	STATE TOTAL				1,895
	Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,949

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CONTRACTOR TOTAL				
	ALLOY SURFACES CO	Delaware	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 5,879
	ALPHATECH INC	Mass	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	410 50 392
		STATE TOTAL			442
	AMADAHN CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	247-
	AMBER ENGINEERING INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	AMERICAN FOUNDATION	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	AMERICAN HOECHST CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	226
	AMERICAN INST RSRCH BEHAV SCI	D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	AMERICAN MATRIX INC	Tennessee	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	108
	AMERICAN RES CORP VIRGINIA	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	971
	AMHERST SYSTEMS INC	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	205
	AMTEC ENGINEERING INC	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ANALYTIC DECISION INCORPORATED	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	ANALYTIC SCIENCES CORP	Mass	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50 1,396
		STATE TOTAL			1,446
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	CONTRACTOR TOTAL				1,476
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	899
	ANALYTICAL SYSTEMS ENGRG CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	146
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	CONTRACTOR TOTAL				446
	ANALYTICS INCORPORATED	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	609

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	ANRO ENGINEERING CONSULTANTS	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	56
	ANTHROPOLOGY RESEARCH PROJECT	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	ANTRO-PIX CORPORATION	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	178
	APEX ENVIRONMENTAL INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	APPLIED ELECTROMAGNETICS INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	APPLIED RESEARCH ASSOC INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,728
		N Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	184
	CONTRACTOR TOTAL				2,912
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,618
		Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	425
	CONTRACTOR TOTAL				4,123
	APPLIED SCIENCE ASSOCIATES	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	198
	APPLIED THEORY INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	276
	APTECH ENGINEERING SERVICES	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	94
	APTEK INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,086
	AQUANAUTICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	AQUATIC EXOTIC ANIMAL MEDICINE	Hawaii	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	ARCO POWER TECHNOLOGY	D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	487
	AREA THERM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	ARETE ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	ARRAL INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,241
	ASTRON CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ASTRON RESEARCH & ENGINEERING	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	450 114

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AD92 (CONTINUED)

		STATE TOTAL	\$	
ASTRONAUTICS CORP AMERICA	Wisconsin	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	564
ASTROSYSTEMS INC	Delaware	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	585
ASTROTECH INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	445
ATHENA ENGINEERING CO	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	190
ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
				2,701
		STATE TOTAL		2,901
				2,928
CONTRACTOR TOTAL				63
ATM CORP	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	68
ATMOSPHERIC ENVIRONMENTAL RES	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,253
AUBURN UNIVERSITY	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
AUSTIN RESEARCH ASSOCIATES	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
AUTOMETRIC INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	178
	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	325
		STATE TOTAL		397
CONTRACTOR TOTAL				160
AVANTEK INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,164
AVCO CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,414
		STATE TOTAL		50
AXXON VOICE PRODUCTS	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	134-
B & M TECHNOLOGICAL SERVICES	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

B-K DYNAMICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 430
BAAS CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	584
BALL CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	40
BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	4,182
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	51
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	605
		STATE TOTAL			4,838
BBN COMMUNICATIONS CORP	Mass	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	195
BDM CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	200
	New Mexico	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	3,673
	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	5,218
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	338
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	234
		STATE TOTAL			5,790
CONTRACTOR TOTAL					9,663
BECHTEL NATIONAL, INC	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	5,575
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	118
		STATE TOTAL			5,693
BECON	Virginia	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	666
BEECHER RESEARCH CO	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	44
BEI ELECTRONICS INC	Texas	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	35-
BERKELEY RESEARCH ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	819
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	444
		STATE TOTAL			1,263
	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	667
CONTRACTOR TOTAL					1,930
BETAC CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	67
BOEING COMPANY THE	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	5,642

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

Washington	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	\$	390 3,779
STATE TOTAL					
Mass	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP EXPLORATORY DEVELOP		500 977 250
STATE TOTAL					
Utah	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		1,727
Maryland	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP		50 2,648 641
STATE TOTAL					
New Mexico	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		3,289
Virginia	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP		72 201 78
STATE TOTAL					
Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		279
Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		3,640
Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		74
Florida	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		100
Maryland	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		95
California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		37
Maryland	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		62
New Jersey	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		61
D.C.	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		55
Texas	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP		276
CONTRACTOR TOTAL					
BOSTON UNIVERSITY TRUSTEES OF					
BRIMROSE CORP OF AMERICA					
BRISTEN OFFICE CONCEPTS INC					
BRUNSWICK CDC					
BUNTON INSTRUMENT CO INC					
BURKE TECHNOLOGIES INC					
BUSINESS TCHNOLOGICAL SYSTEMS					
C M C ELECTRONICS INC					
C S R INC					
CACI INTERNATIONAL INC					

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	CALGON CORPORATION	Penn	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 175
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	81
	CALIFORNIA RES & TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	6,143
		New Mexico	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	187
	CONTRACTOR TOTAL					6,330
	CALIFORNIA STATE UNIV - CHICO	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,699
	CALL/RECALL	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	89
	CALSPAN CORPORATION	New York	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP EXPLORATORY DEVELOP	381 54 1,072
	STATE TOTAL					1,507
	CONTRACTOR TOTAL					100
	CAMPBELL ENGINEERING INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,607
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	1,884 326 540
	STATE TOTAL					866
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP EXPLORATORY DEVELOP	3,537 350 5,146
	STATE TOTAL					9,033
	CARPENTER RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	54
	CARTWRIGHT ELECTRONICS INC	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	300
	CAS INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,330
	CASE WESTERN RESERVE UNIV	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	73
	CENTRAL POWER ENGINEERING	KUWAIT	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	37
	CERAMPHYSICS INC	Ohio	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CHAMBERLAIN MANUFACTURING CORP	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 198-
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	135
	CHROMATICS INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	64
	STATE TOTAL				114
	CLARKSON UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
	COLEMAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
		Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	149
	CONTRACTOR TOTAL				118
	COLLINS INTERNATIONAL SV CO	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	238
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32
	COLUMBIA UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	36
	STATE TOTAL				218
	COMAR INC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	204
	COMMAND SYSTEMS GROUP INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	220
	COMMUNICATIONS SATELLITE CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	COMPTON CO	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	COMPUTER CORPORATION AMERICA	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	682
	COMPUTER MEASUREMENTS COMPANY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	25
	COMPUTER SCIENCES CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,560
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	327
	CONTRACTOR TOTAL				5,887
	COMPUTER SYSTEMS MANAGEMENT,	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	COMPUTERBASE INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	259
	CONKEY H D & COMPANY	Kentucky	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	33
	CONSOLIDATED INDUSTRIES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	433
	CONSULTANT SPECIALIST INC	Oregon	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	CONTEL FEDERAL SYSTEMS INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	611
	CONTROL DATA CANADA LIMITED	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	64
	CONTROL DATA CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	57
		Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	124
	CONTRACTOR TOTAL				181
	CORACON INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	525
	CORBETT TECHNOLOGY COMPANY INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	723
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	230
	CORVUS SYSTEMS INCORPORATED	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	254
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	59
	STATE TOTAL				313
	CREARE, INC	N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	57
	CROTON INSTITUTE LTD	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	284
	CRYSTALLUME	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	CTA INCORPORATED	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32-
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	445
	CONTRACTOR TOTAL				413
	DAISY SYSTEMS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	DATAMETRICS RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	159
	DAVID SARNOFF RESEARCH LABS	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	397

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	
AD92 (CONTINUED)					
	DAYCHEM LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 201
	DAYTON SCIENTIFIC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
	DBA SYSTEMS INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	236
	DECILOG INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	85
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	DECISION-SCIENCE APPLICATIONS	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	828
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	376
				STATE TOTAL	1,204
	DEF RSCH TECHNOLOGIES, INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,731
	DELPHI RESEARCH INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
	DEMACO	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	83
	DESIGN THREE INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	152
	DIAMOND MATERIALS INSTITUTE	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	DIEHL GMBH & CO	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	625
	DIESEL DYNE CORP	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	42
	DIGITAL EQUIPMENT CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	215
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	CONTRACTOR TOTAL				264
	DIGITAL OPTICS INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	579
	DIGITAL RADIO CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	DIRECTED ENERGY INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	DIRECTED TECHNOLOGIES INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	151
	DISPLAYTECH INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	DIVERSIFIED ENGINEERING INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AD92 (CONTINUED)

DOLY SCIENTIFIC INC	S Carolina	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50
DOW CHEMICAL COMPANY THE	Michigan	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	150
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	951
	STATE TOTAL				1,101
DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	882
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	212
	STATE TOTAL				1,094
DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	53
DSSI	Tennessee	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	63-
DU PONT E I DE NMOURS COMPANY	Delaware	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	341
DWA COMPOSITE SPECIALTIES INC	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	48
DYNA EAST CORPORATION	Penn	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	172
DYNAMIC CONTROLS INC	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	531
DYNAMIC ENG	Virginia	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	105
DYNAMICS TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	144
DYNACORP	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	225
DYNETICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	40
E A L CORPORATION	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	120
E C CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,448
	Tennessee	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	806
CONTRACTOR TOTAL					3,254
E G G WASH ANALYTICAL SVCS CTR	California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	70
	New Mexico	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	625
CONTRACTOR TOTAL					695
E I C LABORATORY INC	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	504
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	119

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AD92 (CONTINUED)

STATE TOTAL					\$
E-SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	623
EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	50
EAGLE-PICHER INDUSTRIES INC	California	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	181
	Colorado	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	890
	Missouri	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	225
					300
					1,415
CONTRACTOR TOTAL					
EARTH SATELLITE CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	335
EASTMAN KODAK COMPANY	New York	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	151
EATON CORPORATION	New York	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	181
EBASCO SERVICES INC	New York	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	5,575
ELECTRO DESIGN MANUFACTURING	Alabama	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	200
ELECTRO-OPTIK CORP	California	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	57
ELECTROCHIMICA CORPORATION	California	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	94
ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	675
	New Jersey	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	99
					774
CONTRACTOR TOTAL					
ELECTRONIC DATA SYSTEMS CORP	Virginia	NAVY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	74
ELECTRONIC DECISIONS INC	Illinois	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	6,342
ELECTRONIC IMAGE SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	49
EMCORE CORP	New Jersey	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	50
ENERGY COMPRESSION RESEARCH	California	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	50
ENERGY CONVERSION DEVICES INC	Michigan	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	50
ENERGY/ENVIRONMENTAL RES GROU	Florida	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	50
ENGINEERING & ECONOMICS RES	Virginia	ARMY	RDTE/OTHER DEFENSE	- EXPLORATORY DEVELOP	55

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	ENGINEERING RESEARCH ASSOC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	67
	ENVIRON RSCH INST OF MICHIGAN	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	825
	ENVIRONMENTAL RESEARCH	Michigan	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	296 169
		STATE TOTAL			465
	ERNST MACHINSTITUT	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176
	ESSEX CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	36
		CONTRACTOR TOTAL			136
	ETM-ELECTROMATIC INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	EXCEL TECHNOLOGY INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	EXPERT EASE SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	450
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,927
	FAIRCHILD WESTON SYSTEMS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	275
	FALCON ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,723
	FLIGHT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	659
	FLOWDRILL CORP	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
	FLUID PHYSICS IND	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	239
	FLUIDYNE ENGINEERING CORP	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	877
	FMC CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	702
		Minnesota	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	427
		CONTRACTOR TOTAL			1,129
	FORD AEROSPACE	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,200 394
		STATE TOTAL			1,594
		Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
CONTRACTOR TOTAL						\$
	FOSTER-MILLER INC	Mass	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,659 137 418
		STATE TOTAL				555
	FRONTIER ENGINEERING INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		744
	G E C AVIONICS LTD	UNITED KIN	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		183
	G T E LABORATORIES INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		525
	G. T. DEVICES, INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		680
	GA TECHNOLOGIES INC	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		270 340
		STATE TOTAL				610
	GARJAK RESEARCH INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		706
	GARRETT AUXILLIARY POWER DIV	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		81
	GENCORP INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		848
	GENERAL DYNAMICS CORPORATION	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		9,423 188 239
		STATE TOTAL				9,850
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		481
	CONTRACTOR TOTAL					10,331
	GENERAL ELECTRIC COMPANY	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		45
		Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		2,363
		Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		450
		New York	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,226 965 2,260
		STATE TOTAL				4,451
		Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		4,000

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

	STATE TOTAL	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 97
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	4,089
	Penn	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	8,186
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,886
	STATE TOTAL				498
	Vermont	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,384
					373
	Mass	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	18,252
	Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,000
	Indiana	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,033
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	47
	STATE TOTAL				2,670
	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,717
	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	188
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,401
	STATE TOTAL				122
	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,523
	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	100
					1,000
	Penn	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,811
	Penn	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	197
	Penn	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	152
	D.C.	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	144
	Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	568
	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	449
	CONTRACTOR TOTAL				659
	GENERAL SCIENCES INC				1,676
	GENESIS				
	GENTEX CORPORATION				
	GEO-CENTERS INC				

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 81
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,691
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,901
		STATE TOTAL			7,592
	GIORDANO ASSOCIATES INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	485
	GLOBAL INFO SYSTEMS TECHNOLOGY	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	152
	GOODRICH B F COMPANY THE	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	190
	GORHAM ADVANCED MATERIALS INST	Maine	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	767
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	342
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	918
		STATE TOTAL			2,027
	GRUMMAN DATA SYSTEMS CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	119
	GT-TECH INC	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	52
	GTE COMMUNICATION SYSTEMS CORP	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	128
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	318
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
		STATE TOTAL			471
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	129
					600
	CONTRACTOR TOTAL				50
	GULTON INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	
	HARRIS CORPORATION	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,049
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,722
		STATE TOTAL			4,257
	HARVARD UNIV OFC SPONSORED PRO	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	HAZELTINE CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	375

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	HERCULES INCORPORATED	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,208
	HEWLETT-PACKARD COMPANY	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	44
	HIGH TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HILTON SYSTEMS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,250
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HONEYWELL INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	558
		Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	580
		Minnesota	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,251 3,835
	STATE TOTAL				10,086
	CONTRACTOR TOTAL				
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	82
					11,306
	HORIZONS TECHNOLOGY INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,719
	HORRIGAN ANALYTICS	Illinois	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
	HRB-SINGER INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HUGHES AIRCRAFT COMPANY	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,927 390 3,126
	STATE TOTAL				9,443
		New Mexico	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	CONTRACTOR TOTAL				9,643
	HUMAN FACTORS APPLICATIONS	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	HUMAN RSRCS RES ORGANIZATION	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	800
	HUTCHINSON F CANCER RESEARCH	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	317
	HY-TECH RESEARCH CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	344

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 765
	I A P RESEARCH INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	247
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	140
		Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	123
	CONTRACTOR TOTAL				263
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	397
	I R T CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	239
	ICF INCORPORATED	Louisiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	99
	ILLINOIS INST OF TECHNOLOGY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	351
	IMATRON, INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	184
	IMPLANT SCIENCES CORP	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	INCREMENTAL SYS CORP	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	69
	STATE TOTAL				319
	INDIANA UNIVERSITY FOUNDATION	Indiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	190
	INFORMATION SYSTEMS LABS	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	106
	INSCOM ELECTRONICS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	INSITEC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	INSTITUTE FOREIGN PLCY ANLYS	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	192
		Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
	CONTRACTOR TOTAL				442
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
	INTELLICORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,441
	INTELLIGENT SYSTEMS TECHNOL IN	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	339

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	INTERSCIENCE INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 58	
	INTERSONIICS INC	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176	
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	101	
	ITT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	306	
		New Jersey	NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32 156	
	STATE TOTAL				188	
	CONTRACTOR TOTAL	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90	
						584
		California	ARMY NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,172 315	
		STATE TOTAL			10,487	
Maryland		ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	482		
	Miss	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180		
	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,620		
	Virginia	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,230 75 335		
		STATE TOTAL			1,640	
	CONTRACTOR TOTAL				14,409	
	JES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70	
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150	
	K M S FUSION INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	58	
	KAISER AEROSPACE & ELEC CORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	360	
	KAMAN SCIENCES CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,911	
Colorado		ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,422		
Mass		ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	863		

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
-D92 (CONTINUED)					
	CONTRACTOR TOTAL				
	KARAGOZIAN & CASE	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 90
	KBM ENTERPRISES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,894
					15,180
	KEMP CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	458
		Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	KLEIN ASSOCIATES INC	Tennessee	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	KNOLL INTERNATIONAL HOLDINGS	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	451
	KNOWLEDGE SYSTEMS CONCEPTS	Indiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
	KOPIN CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	558
	KRUG INTERNATIONAL CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	351
	KTECH CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,110
	L B & M ASSOCIATES INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	91
	L J F CORP	Oklahoma	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	L. N. K. CORPORATION	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	LA JOLLA INSTITUTE	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	81
	LAGUNA RESEARCH LABS	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	LEWIS BROTHERS STAGES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	525
	LITTLE ARTHUR D INC	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	592
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	406
		California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	46
		Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,671
	CONTRACTOR TOTAL				2,717
	LITTON SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		140
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		394
	STATE TOTAL				834

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	LOCKHEED CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	806
	CONTRACTOR TOTAL				956
		Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,830
	CONTRACTOR TOTAL				4,786
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,505
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	175
	CONTRACTOR TOTAL				10,680
		Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	767 -
	CONTRACTOR TOTAL				9,913
	LOCUS INC	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
		Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,332
		Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	373
	CONTRACTOR TOTAL				3,745
	LOGICA SPACE & DEFENSE SYS LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	260
	LOGICON INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,996
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	815
	CONTRACTOR TOTAL				4,811
		Nebraska	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,136
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
	CONTRACTOR TOTAL				8,094
	LORAL CORPORATION	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	395
		Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,818
	CONTRACTOR TOTAL				4,213
	LORAL ELECTRO-OPTICAL SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	271
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	LSI INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,190
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,824
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	723
	STATE TOTAL				2,547
	CONTRACTOR TOTAL				39
		Wisconsin	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,586
	LTV CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	LUCAS CONSULTING	Colorado	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	M R J INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	537
	M S P CORPORATION	Minnesota	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	M T L SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180
	M/A COM LINKABIT INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	723
	STATE TOTAL				1,023
	M/A-COM INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	111
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	270
	STATE TOTAL				381
	M/A-COM PHI INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	113
	MAC AULAY-BROWN INC	Florida	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	369
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	647
	CONTRACTOR TOTAL				1,016
	MACHINE CRAFT INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	226
	MACHLETT LABORATORIES INC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	35
	MACOM GOV SYSTEMS	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	278
	MACROMOLECULAR MATERIAL INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	MAGMA-SEAL INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		\$
AD92 (CONTINUED)						
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	1,131 252
		STATE TOTAL				1,383
	MANTECH INTERNATIONAL CORP	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	4,315
	MARK RESOURCES INC	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	348
	MARKO MATERIALS INC	Mass	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	51
	MARQUARDT COMPANY THE	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	265
	MARTIN MARIETTA CORPORATION	Colorado	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	6,072 257
		STATE TOTAL				6,329
		Florida	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	7,334 25
		STATE TOTAL				7,359
		Maryland	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	2,200 517
		STATE TOTAL				2,717
	CONTRACTOR TOTAL					16,405
	MASCON ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	359
	MASSACHSTTS INST OF TECHNOLOGY	Maryland	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50
		Mass	ARMY NAVY	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	724 940
		STATE TOTAL				1,664
	CONTRACTOR TOTAL					1,714
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	1,877 570
		STATE TOTAL				2,447
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50
	MAXIM TECHNOLOGIES INC	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	589

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

	CONTRACTOR TOTAL				\$	453
	MAXWELL LABORATORIES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,042
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		28,677
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		229
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,018
	CONTRACTOR TOTAL					29,924
	MAYO FOUNDATION	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		100
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		14
	MC DONNELL DOUGLAS CORPORATION	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,832 50 40
	STATE TOTAL					1,922
		Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		95
		Missouri	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		5,716
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		364
	CONTRACTOR TOTAL					8,097
	MC LEAN RESEARCH CENTER INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		143
	MECHANICAL TECHNOLOGY INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		708
	MEDIA CYBERNETICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		217
	MEI ASSOCIATES INCORPORATED	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		147
	MEMBRANE TECHNOLOGY & RES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		56
	MENTOR TECHNOLOGIES INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		67
	MERRIFIELD LABORATORIES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		85
	MESA, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		124
	METATECH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		802
	METCUT RESEARCH ASSOCIATES	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		786

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	METRATEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	551
	METRON INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	METSAT INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	47
	MGMT INFO SYS	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	121
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	944
	MICROELECTRONICS	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,974
	MICROEXPERT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	204
	MICROWAVE MODULE & DEVICES	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	56
	MID SOUTH OPT	Tennessee	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	25
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27 200
			STATE TOTAL		227
	MIDWEST SYSTEMS RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	426
	MINE SAFETY APPLS COMPANY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	64
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	MISSION GORGE RANGE CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	MISSION RESEARCH CORPORATION	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,986 375
			STATE TOTAL		11,361
		Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
		N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103
					11,717
	CONTRACTOR TOTAL				
	MISSISSIPPI STATE UNIVERSITY	Miss	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	315
	MOLDED FIBER GLASS COMPANIES	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	MOOG INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	112

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

MORTON THIOKOL INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 2,081
	Utah	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	100
CONTRACTOR TOTAL					
MOTOROLA INC	Arizona	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	427
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	31
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	160
STATE TOTAL					
MSNW INC	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	618
MUFFOLETTO OPTICAL CO INC	Maryland	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	150
N K F ENGINEERING INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50-
NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	400
NATIONAL AIR SURVEY CENTER	Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	550
NATIONAL SECURITY RESEARCH	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	32
NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	148
NATL COUNCIL ON RAD PROTECTION	Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,250
NETWORK SOLUTIONS INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50
NEW YORK BLOOD CENTER INC	New York	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	974
NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	265
NEWPORT ELECTRO OPTIC SYSTEMS	Florida	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	50
NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	41
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,295
			RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	72
STATE TOTAL					
	New Mexico	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,367
CONTRACTOR TOTAL					
NIELSEN ENGINEERING AND RES	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	429
NORDEN SYSTEMS INC	Conn	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,796
					38
					35

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)					
STATE TOTAL					
NORTH AMERICAN PHILIPS CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$	160
NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		195
NORTH CAROLINA STATE UNIV	N Carolina	ARMY NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		188
					184
					184
					300
					484
STATE TOTAL					
NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		90
NORTHROP CORPORATION	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		2,418
					1,824
					4,242
STATE TOTAL					
CONTRACTOR TOTAL					
NORTHWEST RESEARCH ASSOCIATES	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		300
ODYSSEY RESEARCH ASSOCIATES	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		4,542
OHIO STATE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		400
	Ohio	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		104
					50
					426
					476
STATE TOTAL					
ONEIDA RESOURCES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		154
OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		240
OPTICAL COATING LABORATORY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		153
OPTIMETRICS INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		44
	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		529
CONTRACTOR TOTAL					
OPTRON SYSTEMS INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		573
ORBITAL SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		75
ORD INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		6,128
					250

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)				
OREGON HEALTH SCIENCES UNIV	Oregon	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 186
OVONIC IMAGING SYSTEMS INC	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	39
P C O INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	195
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	625
	STATE TOTAL			820
P D A ENGINEERING	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,786
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	STATE TOTAL			1,835
PACER SYSTEMS INC	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,162
	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	627
	CONTRACTOR TOTAL			3,789
PACIFICA TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,896
PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	374
PAM RESEARCH COMPANY	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
PAN AM WORLD SERVICES INC	Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	510
PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,461
PARASOFT CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
PATHOLOGY ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55
PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	45
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	STATE TOTAL			75
PERCEPTRONICS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	20,241
	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	277
	CONTRACTOR TOTAL			20,518
PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	325

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	PHOTO METRIC INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 200
	PHOTON SCIENCES INC	Washington	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	29
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	161
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	193
	STATE TOTAL				354
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,466
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	362
	PHYSICON INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	PHYSICS APPLICATNS IC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,517
	PIERCE JOHN B FOUNDATION LAB	Conn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	154
	PINSON ASSOCIATES INC	Texas	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	192
	PLANNING RESEARCH CORPORATION	Nebraska	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	263
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,691
	CONTRACTOR TOTAL				2,954
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	858
	PLASMA RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	175
	PLASMATRON INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	PLESSEY UK LIMITED	UNITED KIN	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	253
	POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	790
	POTOMAC PHOTONICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	POTOMAC WATERS	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	41
	PROPULSION SCIENCE & TECHNOL	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	202
	PROSPECTIVE COMPUTER ANALYSTS	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	301
	PULSE SCIENCES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	742

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

PYMATUNING GROUP INC THE	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 340
PYRAMID OPTICAL CORPORATION	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	42
QUADREX CORPORATION	Florida	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	315
QUALCOMM INC	California	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	353
QUANSCAN INC	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	154
QUANTEX CORPORATION	Maryland	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	308
QUEST COMPANY	Conn	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	548
QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	69
	Virginia	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	702
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	61
CONTRACTOR TOTAL	STATE TOTAL				763
QUESTECH INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	832
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	105
	STATE TOTAL				887
R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	992
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	13,290
	STATE TOTAL				447
					13,737
	D.C.	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	150
	GERMANY, F	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,344
CONTRACTOR TOTAL					16,231
R J O ENTERPRISES INC	Maryland	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	250
R R C INC	Texas	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	105
RACAL COMMUNICATIONS INC	Maryland	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	247
RADAR GUIDANCE INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	52
RADIAN CORPORATION	Texas	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	105

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

RAMCOR INC	California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	\$ 50
RAYTHEON COMPANY	California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	942
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	83
	STATE TOTAL				1,025
	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	47,687
		NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	309
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,538
	STATE TOTAL				49,534
	New Jersey	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	48
	SPAIN	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	418
					51,025
CONTRACTOR TOTAL					215
RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	100
RAYTHEON-NORTHROP INWS JNT VNTR	California	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	394
	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	264
					235
	New Jersey	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	499
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,075
	STATE TOTAL				2,968
	Texas	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	45
					100
CONTRACTOR TOTAL					145
REFRACTORY COMPOSITES INC	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	150
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	65
	STATE TOTAL				38
	Illinois	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	103
REGIS CHEMICAL CO					1,437
RENSELAER POLYTECHNIC INST	New York	NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	200
		USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	
	STATE TOTAL				
	Texas	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	
RESEARCH ANALYSIS AND MAINT					
RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	RESHET INC	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	199
	RESOURCE ENGRG & PLANNING	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	399
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	69
	CONTRACTOR TOTAL				740
	ROBERTS ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	408
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,148
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50	
	STATE TOTAL				591
					2,328
	CONTRACTOR TOTAL				2,919
	OHIO	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	319	
	STATE TOTAL				3,238
	CONTRACTOR TOTAL				470
	ROHR INDUSTRIES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27
	ROME RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	801
	ROTHER DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	RUPPRECHT & PATASHNICK CO INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	142
	RUSH-PRESBYTERIAN ST LUKES MED	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	S K W CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	S S G INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	S W L INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	140
	S Y CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,179
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,074
		Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,253
	CONTRACTOR TOTAL				120
	SAN JOSE STATE UNIVERSITY	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

SANDERS ASSOCIATES INC	N.H.	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	\$ 32- 801
STATE TOTAL					769
SANDLAPPER	S Carolina	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	48
SANGAMO WESTON INC	S Carolina	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	200
SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	104
SCHAFER W J ASSOCIATES INC	Mass	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	3,774 890
STATE TOTAL					4,664
	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	3,120
CONTRACTOR TOTAL					7,784
SCI TEC INC	New Jersey	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	75
SCIENCE & ENGINEERING ASSOC	Colorado	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	51
	New Mexico	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	326
CONTRACTOR TOTAL					377
SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	999
SCIENCE & TECHNOLOGY INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	83
SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,246
	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP EXPLORATORY DEVELOP	10,557 1,954 407
STATE TOTAL					12,918
	Colorado	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	299
	Georgia	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	280
	New Mexico	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP EXPLORATORY DEVELOP	588 50
STATE TOTAL					638

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 746
		Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	13,610
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	533	
	STATE TOTAL				14,143
					30,300
	CONTRACTOR TOTAL				
	SCIENCE HORIZONS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	531
	SCIENTIFIC COMPUTING ASSOC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	58
	SEARCH TECHNOLOGY INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	350
	SEAVEY ENGINEERING ASSOCIATES	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	SECURITY BUILDINGS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	SEMETEX CORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	255
	SEMTEC INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	198
	SENSIS CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	460
	SHAKER RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	387
	SIGNAL RESEARCH CENTER INC	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	377
	SIGNAL SCIENCE INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	34
	SIGNATECH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	46
	SIGNATRON INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	29
	SILICON DESIGNS INC	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	275
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	564
	SIMULATION TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	321
	SINGER COMPANY THE	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,688
	SMALL BUS HIGH TECHNOLOGY INST	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	SOCIETY OF AUTO ENGINEERS	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	721
	SOFTWARE OPTIONS INC	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	340
	SOFTWARE SYSTEMS DESIGN INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	124
	SOFTWARE TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	522
	SOHAR INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	138
	SOLAR TURBINES INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	144
	SONALYSTS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	111
	SOUTHEASTN CTR ELECTR ENG ED	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	518
	STATE TOTAL				568
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	441
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	97
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	975
	STATE TOTAL				1,513
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	183
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	229
	STATE TOTAL				412
	SPACE DATA CORPORATION	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,270
	SPACE INSTRUMENTS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	189
	SPARTA INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,742
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	448
	CONTRACTOR TOTAL				2,190
	SPERRY CORPORATION	Alabama	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	101
		Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,010
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	974
	CONTRACTOR TOTAL				2,085

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 118
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,669
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	223
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,991
	STATE TOTAL				13,883
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	117
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,950
	CONTRACTOR TOTAL				2,067
	SSDS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	890
	STAN MARTIN & ASSOC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	348
	STANFORD UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,092
	STATE TOTAL				1,392
	STANLEY ASSOCIATES INC	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	STAR MICROWAVE	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	441
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	798
	STRATEGIC ANALYSIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	SULLIVAN MINING CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	SUNDSTRAND CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	246
		Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	580
	CONTRACTOR TOTAL				826
	SUNOL SCIENCES CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	SUPERCON INCORPORATED	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SWERLING MANASSE & SMITH INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	98
	SYMBIOTICS INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
	SYMETRIX CORPORATION	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SYNECTICS CORP	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	130

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	SYNERTECH ASSOCIATES, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	781
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,711
	SYSCON CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	SYSTEM DEVELOPMENT CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,011
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	350
		STATE TOTAL			1,361
	SYSTEM DYNAMICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,704
	SYSTEM ENGINEERING & DEV	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SYSTEM INDUSTRIES, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,477
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
		STATE TOTAL			1,556
	SYSTEMS PLANNING & ANALYSIS	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	11,601
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	718
	CONTRACTOR TOTAL				12,319
	SYSTEMS TECHNOLOGY INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	34
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,490
	T A I CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	T S C INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
		STATE TOTAL			410
	TALLEY DEFENSE SYSTEMS INC	Arizona	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	TAU CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	170
	TAYLOR & DIVOKY INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	TECH REPS INCORPORATED	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	\$ 769
	TECHNICAL DIRECTION, INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	87
	TECHNICAL RESEARCH ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	362
	TECHNICAL SERVICES GROUP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	75
	TECHNICO SOUTHWEST INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
	TECHNOLOGY DEVELOPMENT ASSOC	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
	TECHNOLOGY INTERNATIONAL CORP	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	173
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	TECHNOLOGY MANAGEMENT CORP	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	68
	TELECOMMUNICATION SCIENCE ASSOC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180
	TELEDYNE INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,896-
		California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	307
	CONTRACTOR TOTAL				1,510-
	TELEDYNE INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,496
	TELEMECHANICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	156
	TELOS CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	38
	TERRA TEK INC	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	716
	TETRA CORPORATION	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	98
	TEXAS A & M UNIV SYS THE	Texas	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	900 347
	STATE TOTAL				1,247
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,470 326 1,162
	STATE TOTAL				4,958

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	631
	TEXAS TECH UNIVERSITY	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,395
	TG BAUER ASS	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	387
	THE ARES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	189
	THORN EMI TECHNOLOGY INC	Georgia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	TIME DOMAIN SYSTEMS, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	TITAN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	33
	TOOMAY MATHIS & ASSOCIATES	Montana	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	28
	TOYON RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,647
	TRACOR APPLIED SCIENCES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	310
	TRACOR INSTRUMENTS AUSTIN INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	TREADWELL CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	203
	TRIAD MICROSYSTEMS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	266
	TRICOR SYSTEMS INC	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	135
	TRW INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,322
		NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,287	
		USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,230	
	STATE TOTAL				6,839
	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		263
	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		500
	CONTRACTOR TOTAL				7,602
	U S DEPARTMENT OF COMMERCE	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	UK SDIPO MINISTRY OF DEFENCE	UNITED KIN	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	196
	ULTRAMET	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	ULTRASYSTEMS WESTERN CONSTR	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	313
	UNDERGROUND SYSTEMS INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65
	UNION CARBIDE CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	170

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD92 (CONTINUED)					
	UNISYS CORPORATION	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	445
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	74
	CONTRACTOR TOTAL				819
	UNITED SPACE BOOSTERS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	118
	UNITED STATES DEPT ENERGY	Tennessee	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	UNITED TECHNOLOGIES CORP	California	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155 1,621
	STATE TOTAL				1,776
	Conn		ARMY NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	128 290 417
	STATE TOTAL				835
	Florida		NAVY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250 5,657
	STATE TOTAL				5,907
	CONTRACTOR TOTAL				8,518
	UNIV CORP FOR ATMOSPHERIC RSC	Miss	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	479
	UNIVERSAL ANALYTICS INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	420
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	UNIVERSAL TECHNOLOGY CORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	973
	UNIVERSAL VOLTRONICS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	280
	UNIVERSITY OF ALABAMA	Alabama	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,302 77
	STATE TOTAL				3,379
	UNIVERSITY OF ARIZONA	Arizona	ARMY USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103 150
	STATE TOTAL				253

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	175
			NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	181
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	52
		STATE TOTAL				408
	UNIVERSITY OF CENTRAL FLORIDA	Florida	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	116
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	60
	UNIVERSITY OF DAYTON INC	Arizona	USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	1,900
		Ohio	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	110
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	7,186
		STATE TOTAL				7,296
	CONTRACTOR TOTAL					9,196
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	491
			NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	51
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	120
		STATE TOTAL				662
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	55
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	228
		STATE TOTAL				283
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	163
	UNIVERSITY OF MARYLAND	Colorado	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	88
		Maryland	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	855
	CONTRACTOR TOTAL					943
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	500
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	2,533
			NAVY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	263
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	976
		STATE TOTAL				3,772
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	155
			USAF	RDTE/OTHER DEFENSE -	EXPLORATORY DEVELOP	161
		STATE TOTAL				316

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		\$
AD92 (CONTINUED)						
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		2,093
	UNIVERSITY OF VIRGINIA	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		961
	UTAH BIOMEDICAL TEST LAB	Utah	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		52-
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,621
	UTD INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		2,690
	VANGUARD RESEARCH INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		148
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		34
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		180
	STATE TOTAL					214
	VECTOR MICRO	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		40
	VECTOR RESEARCH INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		171
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		30
	VICOM SYSTEMS, INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		60
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		155
	VISTA CONTROLS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		386
	VISTA RESEARCH	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		230
	VITESSE SEMICONDUCTOR	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		55
	VLSI DESIGN ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		31
	VMS CONSULTING ENGINEERS	Oregon	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		400
	VREULS RESEARCH CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		99
	W S A INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		25
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		200
	WALLACE T H INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		621
	WASHINGTON STATE UNIVERSITY	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		261
	WASHINGTON UNIVERSITY	Missouri	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		135
	WEIDLINGER ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		667

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD92 (CONTINUED)

CONTRACTOR TOTAL			ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	\$
WELCO INDUSTRIES INC	New York	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	1,154	
WESTERN INSTRUMENT CORPORATION	Ohio	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	1,821	
WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	48	
WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	6,793	
	California	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	93	
	Maryland	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	11,270	
		ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	2,014	
		NAVY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	1,793	
		USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	2,147	
STATE TOTAL						5,954	
	Ohio	USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	594	
	Penn	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	2,967	
		NAVY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	251	
		USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	1,143	
STATE TOTAL						4,361	
						22,179	
CONTRACTOR TOTAL						501	
WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	56	
WINZEN INTERNATIONAL INC	Texas	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	248	
WOODS HOLE OCEANOGRAPHIC INSTN	Mass	NAVY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	209	
WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	209	
WYLE LABORATORIES	California	USAF	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	470	
XEMET INC	California	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	1,726	
XEROX CORPORATION	California	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	50	
XOEUM INSUAREIWA INX	Illinois	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	50	
XSIRIUS SCIENTIFIC INC	California	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	250	
YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP	336	
ZENITH ELECTRONICS CORPORATION	Michigan	ARMY	RDTE/OTHER DEFENSE	-	EXPLORATORY DEVELOP		

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				\$ 808,689
AD93	A A I CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,229
	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	8,729
	ABEX CORPORATION	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	600
	ADVANCED DECISION SYSTEMS	California	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	169 430
		STATE TOTAL			599
	ADVANCED ELECTRO MAGNETICS	New Mexico	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	223
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	64
	ADVANCED TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,250
	ADVANCES SYSTEMS ARCHITECT	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	425
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	AEROFLEX SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	286
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,796
	AEROLIFT INC	Oregon	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,325
	ALBANY INTERNATIONAL CORP	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	96
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,044 512
		STATE TOTAL			4,556
	ALPHATECH INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,062
	AMBER ENGINEERING INC	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	340
	AMERASIA TECHNOLOGY INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	AMERICAN HOECHST CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	AMERICAN RED CROSS, THE	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,088
	ANALYSIS & TECHNOLOGY INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	572
	ANALYTIC SCIENCES CORP	Mass	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	15,084 1,210

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD93 (CONTINUED)

STATE TOTAL					\$
ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	16,294
ANALYTICAL SYSTEMS ENGRG CORP	Mass	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	5,392
ANSALDO SPA	ITALY	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	258
APPLIED HYDRO-ACOUSTICS RES	Maryland	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	193
APPLIED MEASUREMENT SYSTEMS	Florida	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	29
APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	992
APPLIED SCIENCES INC	Nebraska	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	4,315
APPLIED TECHNOLOGY ASSOC INC DEL	Penn	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	82
AQUIDNECK SYSTEMS INTL	Rhode Islnd	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	118
ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	3,400
ASTROSYSTEMS INC	Delaware	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	257
ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	50
	Virginia	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	2,503
CONTRACTOR TOTAL					1,632
					4,135
AUTOMETRIC INC	Mass	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	100
	New York	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	370
	Texas	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	574
	Virginia	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	490
CONTRACTOR TOTAL					1,534
AVCO CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	195
AVCO RESEARCH LABORATORY INC	Hawaii	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	10,958
AVTEC SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	81
B-K DYNAMICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	125
		NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	350

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
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AD93 (CONTINUED)

BALL AEROSPACE SYS DIV	STATE TOTAL				475
	Colorado	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	50
BATTELLE MEMORIAL INSTITUTE	STATE TOTAL				98
	Ohio	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	818
BAYLOR UNIVERSITY	STATE TOTAL				916
	Texas	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	250
BDM CORPORATION	STATE TOTAL				4,015
	Florida	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	3,422
	STATE TOTAL				138
	Virginia	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	3,560
CONTRACTOR TOTAL	STATE TOTAL				7,575
	California	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	547
BERKELEY RESEARCH ASSOCIATES	STATE TOTAL				512
	Washington	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	4,109
BOEING COMPANY THE	STATE TOTAL				4,621
	California	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	1,087
BOLT BERANEK & NEWMAN INC	STATE TOTAL				2,219
	Mass	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	3,306
BOOZ ALLEN & HAMILTON INC	STATE TOTAL				779
	Maryland	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	198
BOSTON UNIVERSITY TRUSTEES OF	STATE TOTAL				977
	Mass	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	3,319
BROGAN ASSOC INC	STATE TOTAL				60
	Maryland	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	300
BROWN UNIV PRV ST RI PLAN	STATE TOTAL				1,078
	Rhode Isld	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	104
BRUNSWICK CORPORATION	STATE TOTAL				40
	Virginia	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	
CALIFORNIA STATE UNIV - CHICO	STATE TOTAL				
	California	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	
CARNEGIE-MELLON UNIVERSITY	STATE TOTAL				
	Penn	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	CBI NA-CON INC	Illinois	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,222
	CENTRAL BLOOD BNK OF PTTSTRGH	Penn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	92
	CENTRE NATIONAL DETUDES SPATI	FRANCE	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	206
	CEXEC INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	199
	CLS LASER SYSTEMS INC	Conn	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	140
	COLLINS INTERNATIONAL SV CO	Iowa	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	378
	COLSA INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	149
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	40
	COMPUTER SCIENCES CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,031
	CONTRAVES ITALIANA SPA	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,842
	CONTROL DATA CORPORATION	Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	331
	CORTANA CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,162
	CRAIG SYSTEMS CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	196
	CREARE, INC	N.H.	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	57
	DATATAPE INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	677
	DAVID SARNOFF RESEARCH LABS	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	222
	DBA SYSTEMS INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	415
	DCS CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	765
	DECISION SCIENCE CONSORTIUM	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	82
	DEFENSE GROUP, INC.	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,255
	DELPHI RESEARCH INC	New Mexico	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	56
	DELTA DATA SYSTEMS CORPORATION	Miss	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	146
	DIRECTED TECHNOLOGIES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
		USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	230
	STATE TOTAL				480

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	DISPLAYTECH INC	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	DORNIER SYSTEM GMBH	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	112
	DOVE ELECTRONICS INC	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	317
	DR MICHAEL GRIFFIN	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	7,807
	DUKE UNIV MED CENTER	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	154
	DUKE UNIVERSITY	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	46
	DUPONT AEROSPACE CO INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	554
	DYNAMIC SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	226
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,627
		Michigan	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	941
	CONTRACTOR TOTAL				3,568
	E-SYSTEMS INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	13,188
	EASTMAN KODAK COMPANY	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,140
	ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
		New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,467
	CONTRACTOR TOTAL				1,517
	ENERGY RESEARCH CORPORATION	Conn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	900
	ENGINEERED AIR SYSTEMS INC	Missouri	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	564
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	604
	ENVIRONMENTAL SYSTEMS RES INST	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	41
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,557
	ESL INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	27
	ETA TECHNOLOGIES CORP	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	255
	EXCELCO DEVELOPMENT INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
	FAILURE ANALYSIS ASSOCIATES	Washington	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D	R&D DESCRIPTION
AD93 (CONTINUED)				
FELCORP	Florida	NAVY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
FIBER MATERIALS INC	Maine	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
FLORIDA STATE UNIV NOT INC	Florida	NAVY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
FMC CORPORATION	Minnesota	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
FORD AEROSPACE	California	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
FOSTER-MILLER INC	Mass	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
		USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
STATE TOTAL				
FRIED D L ASSOCIATES INC	California	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
G & F CO'	California	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
GA TECHNOLOGIES INC	California	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
GENCORP INC	California	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
GENERAL APPLIED SCIENCE	New York	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
GENERAL DYNAMICS CORPORATION	California	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
		USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
STATE TOTAL				
CONTRACTOR TOTAL				
GENERAL ELECTRIC COMPANY	Texas	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
	Arizona	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
	New York	USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
	Penn	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
		USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
STATE TOTAL				
CONTRACTOR TOTAL				
GENERAL RESEARCH CORPORATION	California	ARMY		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
		USAF		RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT
STATE TOTAL				

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	98
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	178
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	302
	STATE TOTAL				578
	GOULD INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,237
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	17,000
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,526
	STATE TOTAL				19,526
	GRUMMAN DATA SYSTEMS CORP	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	400
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
		Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	752
	CONTRACTOR TOTAL				852
	HAMPSHIRE INSTRUMENTS INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	265
	HARRIS CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,601
	HARRIS, GROUP THE, INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	974
	HARVARD COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	592
	HELIOS INCORPORATED	Colorado	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	701
	HERCULES INCORPORATED	Utah	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	930
	HERNANDEZ ENGINEERING INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	147
	HONEYWELL INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	225
		Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	60
		Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	41
	CONTRACTOR TOTAL				326
	HOPPMANN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	71
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,755
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	80
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	8,192
	STATE TOTAL				11,027

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	HUGHES ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,117
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	738
	I A P RESEARCH INC	Ohio	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	343
	I I T RESEARCH INSTITUTE	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
		Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	112
		Nebraska	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	370
		Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	627
	CONTRACTOR TOTAL				1,254
	I R T CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	210
	ILLINOIS INST OF TECHNOLOGY	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	40
	INTEGRATED SOFTWARE INC	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	180
	INTERMAGNETICS GENERAL CORP	New York	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	STATE TOTAL				100
	ISRAEL AIRCRAFT INDS INTL	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	16,480
	ISREALI MINISTRY OF DEFENSE	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,000
	ITE INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,457
	ITT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	340
		New Jersey	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	54
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	CONTRACTOR TOTAL				494
	JAMIESON SCIENCE & ENGINEERING	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	900
	KAMAN SCIENCES CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	715
	KBM ENTERPRISES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	273
	KESTREL INSTITUTE	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	279

DEPARTMENT OF DEFENSE
PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT
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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
KNOWLEDGE SYSTEMS CONCEPTS		California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	\$ 485
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	170
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	512
CONTRACTOR TOTAL					
KOLLMORGEN CORPORATION		Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,292
		Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,752
	LITTON INDUSTRIES INC	Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,777
	LITTON SYSTEMS INC	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	44
CONTRACTOR TOTAL					51
					95
					800
					300
LOCKHEED MISSILES & SPACE CO					
		California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,100
		California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	113
LOGICON INC		Ohio	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,470
LORAL CORPORATION		Louisiana	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
LOUISIANA STATE UNIVERSITY		Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	498
LSI INC		Texas	ARMY NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	14,648
LTV AEROSPACE & DEFENSE CO				RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	418
STATE TOTAL					
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	15,066
MAC AULAY-BROWN INC		Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	280
MACHINE CRAFT INC		Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	263
MANAGEMENT CONSULTING & RES		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	139
MANTECH INTERNATIONAL CORP		Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	64
MAR INCORPORATED		California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,084
MARQUARDT COMPANY THE					1,808

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	MARTIN MARIETTA CORPORATION	Colorado	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	\$ 19,745 1,224
	STATE TOTAL					20,969
	CONTRACTOR TOTAL	Florida	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	366
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	1,000
		MC DONNELL DOUGLAS CORPORATION	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT
	STATE TOTAL					33,096
	CONTRACTOR TOTAL	Missouri	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	450
	MC DONNELL DOUGLAS INCO INC	Virginia	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	335
	MERIT TECHNOLOGY INC	Texas	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	300
	MESSERSCHMITT-BOTKOW-BLOHM	GERMANY, F	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	23,049
	MIDWEST BIOLASER INSTITUTE	Illinois	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	490
	MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	159
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	75
	MISSION RESEARCH CORPORATION	California	ARMY NAVY	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT ADVANCED DEVELOPMENT	1,055 135
	STATE TOTAL					1,190
	MURDOCK INC	California	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	74
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	627
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	300
NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	1,299	
CONTRACTOR TOTAL		New Mexico	USAF	RDTE/OTHER DEFENSE -	ADVANCED DEVELOPMENT	155
						1,454

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	NORDAM	Oklahoma	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	938
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	NORTHROP CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	599
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,285
	STATE TOTAL				1,884
	OCEAN DATA SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	295
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,696
	OPTICAL COATING LABORATORY	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	31-
	ORION INTL TECHNOLOGIES	New Mexico	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	ORTEL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	267
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,927
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,602
	CONTRACTOR TOTAL	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	90
	PARKER KINETIC DESIGNS INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,692
	PARSONS RALPH M COMPANY THE	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	368
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,963
	PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
				RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	690
	STATE TOTAL				785
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	213
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	99
	PLANNING RESEARCH CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	560
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,505
	PLESSEY AEROSPACE LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	573
	POLARIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,910
	PUGET SOUND BLOOD CENTER	Washington	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	70

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	\$ 150
	R J O ENTERPRISES INC	Maryland	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,549 100
		STATE TOTAL			5,649
	RAYTHEON COMPANY	Mass	ARMY NAVY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,717 83 2,288
		STATE TOTAL			5,088
	RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	34
	RCA CORPORATION	New Jersey	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,563 350
		STATE TOTAL			1,913
	REGENTS OF THE UNIV OF CA	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	336
	RESEARCH TRIANGLE INSTITUTE	N Carolina	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	486
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	18,997 2,119
		STATE TOTAL			21,116
	ROCKWELL INTERNATIONAL CORP	California	ARMY NAVY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	10,499 63 4,427
		STATE TOTAL			14,989
	S S G INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	545
	SACLANT ASW RESEARCH CENTER	ITALY	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	37
	SAFT AMERICA INC	Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	144
	SAN JOSE STATE UNIVERSITY	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	197
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	150
	SCHAFER W J ASSOCIATES INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,195

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	117
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	270
		Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,014
		California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	8,938
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,517
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	863
		STATE TOTAL			11,318
		Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	789
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	47
		STATE TOTAL			836
	CONTRACTOR TOTAL				16,438
	SELENIA INDUSTRIE ELETTRONICHE	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	741
	SELENIA INDUSTRIES ELTTRONICHE	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,011
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	169
	SIPPICAN INC	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	457
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	530
	SOL TELECOMMUNICATION SERVICE	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	198
	SOLAR REACTOR TECHNOLOGY INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	191
	SOREG NEUCLEAR RESEARCH CENTER	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	600
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	69
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	35-
	SPACE POWER INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	728
	SPACE SERVICES INC AMER	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	300
	SPARTA INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,183
	SPERRY CORPORATION	Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	307

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	CONTRACTOR TOTAL					
	SRI INTERNATIONAL					
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	\$	1,486
		Utah	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		221
		California	ARMY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		2,014 125 628
	STATE TOTAL					
	SRS TECHNOLOGIES	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		5,818
	STANFORD TELECOMMUNICATIONS	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		577
	STANFORD UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		270
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		50
	SWISS PRODUCTS INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		52
	SYNECTICS CORP	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		512
	SYNTEK ENGRG COMPUTER SYSTEMS	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		396
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		883
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		75
	SYSTEM DEVELOPMENT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,129
	SYSTEM DYNAMICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		117
		Florida	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		33
	CONTRACTOR TOTAL					
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		150
	SYSTEMS ANALYSIS INTERGRATION	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		489
	SYSTEMS EXPLORATION INC	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		128
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		225
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		2,291
		California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,771
	SYTEK INC					179

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	TECHNOLOGY ASSESMENT & TRANSF	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	90
	TECOGEN INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	103
	TEKKNOWLEDGE INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,834
	TEXAS A & M UNIV SYS THE	Texas	NAVY USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	94 601
		STATE TOTAL			695
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	6,097
	THE ARES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	THERMACORE INC	Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	161
	TIL DEFENSE SYSTEMS	ISRAEL	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	244
	TINSLEY LABORATORIES INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	508
	TRW INC	California	ARMY NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,716 100
		STATE TOTAL			5,816
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	245
	CONTRACTOR TOTAL				6,061
	TULANE UNIVERSITY	Louisiana	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	U S DEPARTMENT OF COMMERCE	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,809
	UNITED KINGDOM MINISTRY OF DEF	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,350
	UNITED STATES DEPT ENERGY	Washington	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,596
	UNIV CORP FOR ATMOSPHERIC RSC	Miss	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	289
	UNIVERSITY OF ALASKA	Alaska	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	76
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	29
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	289

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)					
	UNIVERSITY OF CHICAGO THE	Illinois	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	375
	UNIVERSITY OF COLORADO	Colorado	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	105
	UNIVERSITY OF DAYTON INC	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	544
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	500
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	UNIVERSITY OF KENTUCKY	Kentucky	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	262
	UNIVERSITY OF MICHIGAN	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	44
		Michigan	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	98
	CONTRACTOR TOTAL				142
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	267
	UNIVERSITY OF NORTH CAROLINA	N Carolina	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	40
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	360
	UNIVERSITY OF SOUTH FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	375
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	300 70
	STATE TOTAL				370
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	621
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	58
	URS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	20
	UTAH STATE UNIVERSITY	Utah	ARMY NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	750 245
	STATE TOTAL				995
	VEDA INCORPORATED	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	10-
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	116
	CONTRACTOR TOTAL				106
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	427

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD93 (CONTINUED)				
WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	827
WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	150
		USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,027
STATE TOTAL				4,177
AERAD INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,000
R&D TOTAL				512,142
AD94 A A I CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	934
A E C DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	110
ADVANCED DECISION SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	857
ALLIED SIGNAL INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,059
ALPHATECH INC	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	73
ANA TIC SCIENCES CORP	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	554
ANALYTICAL SYSTEMS ENGRG CORP	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	607
	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	410
	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	182
CONTRACTOR TOTAL				1,199
AUGUST DESIGN AND DEVELOPMENT	Penn	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	100
BALL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,170
BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	30
		USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	65
STATE TOTAL				95
BDM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	340
BENDER SHIPBUILDING & REPR CO	Alabama	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,148
BERKELEY RESEARCH ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
BETAC CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	107
BOOZ ALLEN & HAMILTON INC	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	42

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
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AD94 (CONTINUED)

CONTRACTOR TOTAL	New Mexico	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	\$
BROWN DAYTON T INC	New York	NAVY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	135
BRUNSWICK CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	177
CALSPAN CORPORATION	New York	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	79
CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	519
CATALYST RESEARCH CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	48
CHAMBERLAIN MANUFACTURING CORP	Maryland	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	280
CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	141
CICCONE V J & ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	2,296
COLLINS INTERNATIONAL SV CO	Iowa	NAVY USAF	RDTE/OTHER DEFENSE RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP - ENGINEERING DEVELOP	261 350 271 77,882
COMAR INC	Texas	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	78,153
COMPUTER SCIENCES CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	32
DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	89
DEFENSE RESEARCH TECHNOLOGIES	Maryland	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	588
DIGICOMP RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	410
DURODYNE INC	Arizona	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	508
E-SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	1,998
EASTPORT INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	510
EATON CORPORATION	California	USAF	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	291
ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	134
ESSEX CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	75
FAIRCHILD WESTON SYSTEMS INC	New York	NAVY	RDTE/OTHER DEFENSE	- ENGINEERING DEVELOP	95 1,440

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	\$
AD94 (CONTINUED)					
	FLIGHT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	65
	G K Y & ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
	GAERTNER W W RESEARCH INC	Conn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	70
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	978
		Missouri	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	504
	CONTRACTOR TOTAL				1,482
	GENERAL DYNAMICS WESTNGHSE JV	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	6,000
	GENERAL ELECTRIC COMPANY	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	211
		New Jersey	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	125
	CONTRACTOR TOTAL				336
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	450 230
	STATE TOTAL				680
	GNOSTECH INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	GRASEBY DYNAMICS LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	316- 141
	STATE TOTAL				175-
	HERCULES INCORPORATED	Florida	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	800
	HOWDEN COLONEY INC	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	357
	HRB-SINGER INC	Penn	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	175
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	7,154
	I R T CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	50
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	49
	INTERMETRICS INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,057
		Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD94 (CONTINUED)					
	CONTRACTOR TOTAL				
	ITT CORPORATION	Indiana	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,407
	JAYCOR	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	77
		Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	592
					71
	CONTRACTOR TOTAL				663
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	524
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	118
	KOHLBERG & ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	LITTON SYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
		Iowa	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	73
	CONTRACTOR TOTAL				203
	LOCKHEED CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	50
		Georgia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	524
	CONTRACTOR TOTAL				574
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,502
	LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	519
	LOGICON INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	410
	LSI INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	383
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	635
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	575
		Colorado	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	90
		Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350
		Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	4,465
		Nebraska	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	889
		New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	239

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AD94 (CONTINUED)

	CONTRACTOR TOTAL				
	MARTIN-BAKER AIRCRAFT CO LTD	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	\$ 1,164
		Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
					7,972
		GABON	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	3,776
		UNITED KIN	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,976
					6,752
	CONTRACTOR TOTAL				102
	MC DONNELL DOUGLAS INCO INC	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	78
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	65
	METRON INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	69
	MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	112
	MORGAN LEWIS & BOCKIUS	Texas	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	470
	PAR TECHNOLOGY CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	40
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350
	PLAS TOOL CO	Illinois	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	107
	RAYTHEON COMPANY	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	215
	RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	120
	RCA CORPORATION	New Jersey	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	950
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,070
	STATE TOTAL				
	RICHARDS CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	125
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	228
		Iowa	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	948
					1,176
	CONTRACTOR TOTAL				
	ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	34
	SCI TEC INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	535

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD94 (CONTINUED)					
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	75
		Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	543
		Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	98
	CONTRACTOR TOTAL				716
	SCOPE INCORPORATED	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	SEARCH TECHNOLOGY INC	Georgia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	418
	SINGER COMPANY THE	Arkansas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
		Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	25,989
	CONTRACTOR TOTAL				26,139
	SOFTECH INC	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	5,775
	SOLAR TURBINES INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	231
	SONALYSIS INC	Conn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	87
	SOUTHERN RESEARCH INSTITUTE	Alabama	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	80
	SOUTHWEST AEROSPACE CORP	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	152
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	54
	SPARTA INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	48
	SPARTON CORPORATION	Michigan	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	747
	SPERRY CORPORATION	Minnesota	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,900
		New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	4,369
		Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,297
	CONTRACTOR TOTAL				9,566
	SRI INTERNATIONAL	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	539
	STV ENGINEERS INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	38
	SYRACUSE UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	56
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	3,522

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD94 (CONTINUED)					
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	39
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	197
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	360
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,885
	STATE TOTAL				2,245
	TRW INC	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	7,531
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,918
	STATE TOTAL				10,449
	CONTRACTOR TOTAL				14,627
		Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,254
		Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	26,330
	UNISYS CORPORATION	Alabama	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	403
	UNITED TECHNOLOGIES CORP	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	92
		Florida	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	300
	CONTRACTOR TOTAL				392
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	193
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	128
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	399
	VIRGINIA PLTYCHNIC INST/ST UNI	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	225
	VITRO CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	72
	VREULS RESEARCH CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	114
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	941
	XEROX CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,102
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	394
	R&D TOTAL				224,002

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD95	ADAPTIVE OPTICS ASSOCIATES INC	Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	252
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	97
	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	111,654
	AETECH INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	243
	ALESAT CORPORATION	Ohio	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	600-
	AMERICAN SATELLITE COMPANY	Maryland	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	79
	ANALYTICAL SYSTEMS ENGRG CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	124
		Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,084
	CONTRACTOR TOTAL				1,208
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	244
	ARGOSYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	628
	ARINC RESEARCH CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	555
	ASCHKENASY ERNEST INC	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	260
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	49
	AVCO CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	43
	BDM MANAGEMENT SERVICES CO	Texas	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,924
	BERKELEY RESEARCH ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	490
	CACI INTERNATIONAL INC	D.C.	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,057
		Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	187
	CONTRACTOR TOTAL				1,244
	CALSPAN CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	157
	CHAMBERLAIN MANUFACTURING CORP	Illinois	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	453-
	CLEMSON UNIVERSITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	645
	COCKERHAM JOHN M & ASSOCIATES	New Jersey	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	390
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,561
		NAVY	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	220
	STATE TOTAL				2,781

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD95 (CONTINUED)					
	CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,383
	DYNAMICS RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	81
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	EATON CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	54
	ESL INCORPORATED	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	5,635
	EXCELCO DEVELOPMENT INC	New York	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	31
	EXECUTIVE RESOURCE ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	421
	FASTMAN INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	297
	FORD AEROSPACE	Colorado	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,130
	G R D INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	62
	GALAXY SCIENTIFIC	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	192
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	152
	GNOSTECH INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	160
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	37
	H F SCIENTIFIC INC	Florida	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	227
	HARRIS CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	197
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	15,999
		Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	3,985
	CONTRACTOR TOTAL				19,984
	I I T RESEARCH INSTITUTE	Maryland	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	564
	INTERMETRICS INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	805
	INTERSPEC INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	50
	K F O ASSOCIATES INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	135
	KETRON INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	674
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	203
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	194

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD95 (CONTINUED)				
LARGO SCIENTIFIC INC	Florida	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	50
LORAL CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	161
M/A-COM PHI INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	260
MACHINE CRAFT INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	58
MANAGEMENT CONSULTING & RES	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	80
MANAGMENT ASSISTANCE CORP AMER	New Mexico	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	93
MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	205
MAYFLOWER COMMUNICATIONS	Wisconsin	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	120
MC DONNELL DOUGLAS INCO INC	Virginia	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	3,225
MC LEAN RESEARCH CENTER INC	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	128
MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	449
MORTON THIOKOL INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	241
NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	811
NORTH TEXAS STATE UNIVERSITY	Texas	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	50
ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,410
PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	817
PEABODY BARNES INC	Ohio	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	132
PEM-SOFTWARE INC	Oklahoma	OCE	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,756
	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,584
CONTRACTOR TOTAL				4,340
PIEZO TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	53
QUANTICS INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	145
QUEST RESEARCH CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	395
RCA CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	303

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD95 (CONTINUED)					
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	49
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	103
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	498
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	551
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	284
		Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	54
		USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	338	
	STATE TOTAL				392
	CONTRACTOR TOTAL				676
	SCIENTIFIC MGT ASSOCIATES	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	SIGNATRON INC	Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	215
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	265
	SIOA INC	Illinois	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	131
	SOL TELECOMMUNICATION SERVICE	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	198
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	49
	SOUTHWEST AEROSPACE CORP	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	87
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,209
	STANLEY ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	45
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	84
	SYNERGY INC	D.C.	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	212
	SYNETICS CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	243
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,084
	TARTAN LABORATORIES INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	645
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,811

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	DESCRIPTION	\$
AD95 (CONTINUED)					
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	250
	TRW INC	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	199
	UNION CARBIDE CORPORATION	Washington	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	350
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,000
	UNIVERSITY OF MICHIGAN DEARBO	Michigan	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	350
	VANTAGE ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	VEDA INCORPORATED	Penn	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	574
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,021
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	193
	WALLACE T H INC	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,618
	WESTEC SERVICES INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
	R&D TOTAL				185,214
AD96	A P A OPTICS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	ADVANCED FUEL RESEARCH INC	Conn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	137
	ADVANCED TECHNOLOGY INC	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	51
		Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,035
			NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	496
	STATE TOTAL				1,531
	CONTRACTOR TOTAL				1,582
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	149
	AMERICAN ELECTRONICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	AMERICAN RES CORP VIRGINIA	Virginia	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	330
	ANALYSIS & MEASUREMENT SVS	Tennessee	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	120
	ANALYTIC BIOPHYSICS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$	
AD96 (CONTINUED)						
	ANALYTIC SCIENCES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		92
	AOG SYSTEMS CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		100
	APPLICATIONS RESEARCH CORP	Ohio	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		48
	APPLIED LOGIC SYSTEMS INC	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		51
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		116
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		325
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		1,544
	BARKLEY APPLIED SCIENCE	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		48
	BBN COMMUNICATIONS CORP	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		314
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		332
	BELL CHEMICAL RESEARCH INC	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		50
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		288
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		1,916
	BRAIDTECH INC	Penn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		49
	BUSINESSLAND INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		59
	CACI INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		500
	CENTURY COMPUTING INC	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		52
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		50
	CLARK SHARON ASSOC INC	Washington	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		279
	COCKERHAM JOHN M & ASSOCIATES	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		1,310
	COHERENT INC	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		44
	COLLINS INTERNATIONAL SV CO	Idaho	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		334
	CORDRAY INTERNATIONAL CORP	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		62
	CORIOLIS CORPORATION	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		400
	CRAIG DEVELOPMENT CORP	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT		120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD96 (CONTINUED)					
	CREE RESEARCH INC	N Carolina	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	45
	CRITES ENTERPRISES	Missouri	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
	CRYSTAL SYSTEMS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	CRYSTALLUME	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	114
	CUSTOM EMBLEM PRODUCTS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	479
	DATA	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	DAYCHEM LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	52
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	33
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	644
	E A ENGRING SCENCE TECHNOLOGY	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	42
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	205
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	306
	ELECTRO-OPTIK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	65
	ELECTRONIC DEVELOPMENT ASSOC	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	ENCORE CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	EPOLIN INC	New Jersey	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	71
	ESSEX CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	EXFLUOR RESEARCH CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	EXPERT EASE SYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	FASTMAN INC	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	222
	FLUIDYNE ENGINEERING CORP	Minnesota	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	135
	FOSTER-MILLER INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	325
	GENERAL IMAGING CORP	Florida	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	GEO-CENTERS INC	Mass	ARMY USAF	RDTE/OTHER DEFENSE - RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT MANAGEMENT & SUPPORT	\$ 55 49
		STATE TOTAL				104
	GUILD ASSOCIATES INC	Ohio	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	50
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	1,057
	I I T RESEARCH INSTITUTE	Maryland	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	608
		New York	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	339
						947
	CONTRACTOR TOTAL					50
	IMPLANT SCIENCES CORP	Mass	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	129
	INDUSTRIAL QUALITY INC	Maryland	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	844
	INERTIA SWITCH INC	D.C.	NAVY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	20,657
	INSTITUTE FOR DEF ANALYSES	Virginia	ARMY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	69
	INSULATING MATERIALS INC	New York	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	46
	INTELLIGENT AUTOMATION SYS INC	Mass	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	490
	INTERMETRICS INC	California	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	50
	IONWERKS	Texas	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	49
	ISOTHERMAL SYS RESEARCH	Kentucky	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	200
	KAHN HARRY J ASSOCIATES INC	New York	NAVY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	113
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	50
	KJS ASSOCIATES	Ohio	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	58
	KLEIN ASSOCIATES INC	Ohio	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	40
	LASER POWER CORP	California	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	44
	LASERGENICS CORPORATION	California	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	77
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	283
	LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE -	MANAGEMENT & SUPPORT	

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	CONTRACTOR TOTAL				
	M/A COM LINKABIT INC	Virginia	NAVY	KDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	\$ 319
	MAC AULAY-BROWN INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	602
	MAYFLOWER COMMUNICATION CO	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	2,188
	MC DONNELL DOUGLAS CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	MEGA RESEARCH INC	Missouri	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	750
	METCALF & EDDY INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	205
	MINOTAUR TECHNOLOGIES	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	MISSION RESEARCH CORPORATION	Michigan	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	37
		California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	37
			USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,896
					48
					1,944
	STATE TOTAL				
	MOLLER INTERNATIONAL INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	MONAT ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	40
	MSNW INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	99
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	364
	NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	136
	NORTHROP CORPORATION	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	180
	P D A ENGINEERING	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	148
	PACER SYSTEMS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	250
	PERFORMANCE METRICS INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	491
	PHOENIX METALLURGICAL INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	68
	PLANNING RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	932
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	60
	PRC PUBLIC MANAGEMENT SVS	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	399

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD96 (CONTINUED)					
	R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	822
	R & E ELECTRONICS INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	38
	RAND CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	25,706
	RASOR ASSOCIATES, INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	150
	REMTECH INC	Alabama	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	95
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	64
	S T & E INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SAN DIEGO SEMICONDUCTORS INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	125
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,434
			NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
			USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	285
			STATE TOTAL		1,819
		New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
		Virginia	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	27
					2,046
	CONTRACTOR TOTAL				
	SEES INC	Tennessee	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	235
	SEMCOR INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	287
	SERVIS DAVID A INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	55
	SIMULA INC	Arizona	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	251
	SOFTWARE PRODUCTS & SERV INC	New York	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SOHAR INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	193
	SOUTHERN BIOTECHNOLOGY ASSOC	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	361
	SPIRE CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	360
	SRS TECHNOLOGIES	Alabama	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	230
		California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
	CONTRACTOR TOTAL				430

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD96 (CONTINUED)					
	STANFORD UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	STRATEGIC RESEARCH & MGT SVCS	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	66
	SUMMIT ANALYTICAL SCIENCES INC	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SURFACE OPTICS CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	66
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	147
	SYSCON CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	2,451
		Rhode Isl	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	249
		Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	5,670
	CONTRACTOR TOTAL				8,370
	SYSTEMS CONTROL INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	318
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	528
	SYSTEMS TECHNOLOGY/APPLIED RES	Kansas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	191
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	TECHPLAN CORP	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	254
	TERRA TEK INC	Utah	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	417
	THERMACORE INC	Penn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	59
	TRANSFORM INDEX TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	256
	U S DEPARTMENT OF COMMERCE	D.C.	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	776
	ULTRAMET	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	UNISYS CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	170
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	193
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	53
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	92
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	187

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AD96 (CONTINUED)					
	VERSAR INC	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	143
	VREULS RESEARCH CORPORATION	D.C.	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	749
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	ZYBRON INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	R&D TOTAL				93,722
AE16	AMERASIA TECHNOLOGY INC	California	NAVY	RDTE/EMPL GROWTH & PRODUCTIVITY-MGMT & SUP	322
AE22	HUMAN FACTORS APPLICATIONS	Penn	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-EXP DEV	28
AE26	KINTON INC	Virginia	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-MGMT & SUP	49
	SSUNNOL INC	Oklahoma	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-MGMT & SUP	49
	R&D TOTAL				1,500
AE33	METALWORKING INC	Penn	NAVY	RDTE/MANUFACTURING TECHNOLOGY - ADV DEV	50
AE35	APPLIED SOLAR ENERGY CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	96
	AVCO CORPORATION	Mass	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	377
	BABCOCK & WILCOX COMPANY	Virginia	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	46
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	339
	BOEING COMPANY THE	Penn	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	696
	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	175
	CINCINNATI MILACRON INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	741
	DRAVO CORPORATION	Penn	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	400
	GA TECHNOLOGIES INC	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	53
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	287
	STATE TOTAL				340
	NATIONAL SEMICONDUCTOR CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	50
	NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	56

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AE35 (CONTINUED)					
	NORTHROP CORPORATION	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	500
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	1,430
	SHULTZ STEEL CO INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	126
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	300
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	1,576
	TELEDYNE INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	360
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	173
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	550
		Penn	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	264
	CONTRACTOR TOTAL				8,645
R&D TOTAL					105
AE36	APPLIED ELECTRONICS TECHNOLOGY	California	NAVY	RDTE/MANUFACTURING TECHNOLOGY - MGMT & SUP	220
	SYSCON CORPORATION	D.C.	NAVY	RDTE/MANUFACTURING TECHNOLOGY - MGMT & SUP	325
R&D TOTAL					39
AF11	HARVARD COLLEGE	Mass	ARMY	RDTE/EDUCATION - RESEARCH	49
AF12	INTELLIGENT SYSTEMS DESIGN	Washington	NAVY	RDTE/EDUCATION - EXPLORATORY DEVELOPMENT	40
AF15	BLACK HAWK COLLEGE DST #503	Illinois	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	28
	COLLEGE OF LAKE COUNTY	Illinois	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	58
	DR GRANT WARDLAW	AUSTRALIA	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	126
R&D TOTAL					197
AG21	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/ENERGY - GAS - RESEARCH	1,636
AG24	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/ENERGY - GAS - ENGINEERING DEVELOP	4,842
AG53	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/ENERGY - NUCLEAR - ADVANCED DEVELOP	82
AG61	GEO-CENTERS INC	Mass	USAF	RDTE/ENERGY - PETROLEUM - RESEARCH	50
	M L ENERGIA INC	New Jersey	NAVY	RDTE/ENERGY - PETROLEUM - RESEARCH	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	R&D TOTAL				132
AG62	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/ENERGY - PETROLEUM - EXPLORATORY DEV	50
AG63	GEO-CENTERS INC	Mass	USAF	RDTE/ENERGY - PETROLEUM - ADVANCED DEVELOP	60
AG92	JAYCOR	D.C.	NAVY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	332
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	87
	TRW INC	California	NAVY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	800
	R&D TOTAL				1,219
AG96	SHELADIA ASSOCIATES INC	Penn	ARMY	RDTE/OTHER ENERGY - MANAGEMENT & SUPPORT	159
AH11	WESTON ROY F INC	Penn	ARMY	RDTE/POLLUTION CNTRL & ABATE - RESEARCH	174
AH12	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	188
	P E I ASSOCIATES INC	Ohio	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	453
	WESTON ROY F INC	Penn	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	1,467
	R&D TOTAL				2,108
AH14	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/POLLUTION CNTRL & ABATE - ENGR DEV	182
	ICF INCORPORATED	D.C.	USAF	RDTE/POLLUTION CNTRL & ABATE - ENGR DEV	1,315
	R&D TOTAL				1,497
AH15	RADIAN CORPORATION	Texas	USAF	RDTE/POLLUTION CNTRL & ABATE - OP SYS DEV	45-
AH16	CAPE COD RESEARCH INC	Mass	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	55
	ELECTROSYN CORP	New York	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	54
	ENERGY ENVIRONMENTAL RES CORP	New Jersey	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	48
	GEO-CENTERS INC	Mass	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	42
	INDUGAS INC	Ohio	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	50
	KLM TECHNOLOGIES INC	California	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	55
	P D A ENGINEERING	California	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	49
	PHYSICAL SCIENCES INC	Virginia	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	50
	SANITECH INC	Ohio	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AH16 (CONTINUED)					
	TRACER RESEARCH CORP	Florida	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	36
	R&D TOTAL				488
	AH21 BATTILLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/AIR POLLUTION - RESEARCH	674
	AH31 SKIDAWAY INST OF OEANGRAPHY	Georgia	NAVY	RDTE/WATER POLLUTION - RESEARCH	48
	AH32 CORNELL UNIVERSITY	New York	USAF	RDTE/WATER POLLUTION - EXPLORATORY DEVELOP	198
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/WATER POLLUTION - EXPLORATORY DEVELOP	100
	R&D TOTAL				298
	AH33 COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/WATER POLLUTION - ADVANCED DEVELOP	215
	MAXWELL LABORATORIES INC	California	USAF	RDTE,WATER POLLUTION - ADVANCED DEVELOP	76
	R&D TOTAL				291
	AH34 COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/WATER POLLUTION - ENGINEERING DEVELOP	200
	AH41 REMTECH INC	Alabama	ARMY	RDTE/NOISE POLLUTION - RESEARCH	50
	AH45 A A I CORPORATION	Florida	NAVY	RDTE/NOISE POLLUTION - OP SYSTEMS DEVELOP	37
	AH52 BATTILLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER POLLUTION - EXPLORATORY DEVELOP	514
	CORNELL UNIVERSITY	New York	USAF	RDTE/OTHER POLLUTION - EXPLORATORY DEVELOP	72
	R&D TOTAL				586
	AH92 WESTON ROY F INC	Penn	ARMY	RDTE/OTHER ENVIRONMENT - EXPLORATORY DEV	72
	AH93 DYNAMAC INTERNATIONAL INC	Florida	USAF	RDTE/OTHER ENVIRONMENT - ADVANCED DEVELOP	57
	GA TECHNOLOGIES INC	California	ARMY	RDTE/OTHER ENVIRONMENT - ADVANCED DEVELOP	3,651
	R&D TOTAL				3,708
	AH94 TETRA TECH INC	California	USAF	RDTE/OTHER ENVIRONMENT - ENGINEERING DEV	9,907
	AH96 ABEL COMPANY	Virginia	USAF	RDTE/OTHER ENVIRONMENT - MGMT & SUPPORT	85
	AJ11 ADVANCED COMPOSITE TECHNOLOGY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	38
	ADVANCED ENG DESIGN & RESEARCH	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	30
	AEROCHEM RESEARCH LABORATORIES	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	58

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ11 (CONTINUED)					
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	103
	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	94
	AEROMETALS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	47
	ALESAT CORPORATION	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	48
	AMERICAN SCIENCE & ENGRG	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	195
	ANALYSIS & COMPUTER SYSTEMS	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	150
	ANALYTIX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	APPLIED MCRWAVE PLASMA CONCEPTS	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	86
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	94
		Vermont	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	68
	CONTRACTOR TOTAL				162
	ASTER CORP	Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	56
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	496
	ATMOSPHERIC RADIATION CONS	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	125
	ATMOSPHERIC STMLATERS TSTG RES	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	55
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	119
	BALL CORPORATION	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	186
	BATTELLE MEMORIAL INSTITUTE	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	300
	BDM CORPORATION	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,239
	BERKELEY RESEARCH ASSOCIATES	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	BOEING COMPANY THE	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	398
	BOSTON COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	139
	BOSTON UNIVERSITY TRUSTEES OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,008
	BROADCOM INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	47
	BROWN UNIV PRV ST RI PLAN	Rhode Is	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	487

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AJ11 (CONTINUED)

CALEUM RESEARCH CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	\$	52
CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		457
CALIFORNIA URBAN INDIAN HEALTH	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		34
CALSPAN CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		202
CAMBRIDGE RES INSTRUMENTATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		100
CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH		50
CARNEGIE-MELLON UNIVERSITY	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		917
CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		93
CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		2,136
CERAMPHYSICS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		191
CHASE CONSULTANTS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		152
CIM SYSTEMS	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		49
CITY OF HOPE	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		103
CLARKSON UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		268
COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		703
COLUMBIA UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		500
COMTEK CO	Penn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		49
COMPUTATIONAL MECHANICS	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		231
COMPUTER SCIENCE INNOVATIONS	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		400
COMPUTER SCIENCES CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		26-
CONTROL DATA CORPORATION	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		115
CORNELL UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		1,508
CREATIVE OPTICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		49
DARTMOUTH COLLEGE	N.H.	NAVY USAF	RDTE/GEN SCIENCES & TECH - RESEARCH RDTE/GEN SCIENCES & TECH - RESEARCH		70 233

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	DOVE ELECTRONICS INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	303
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	80
	E E G SYSTEMS LABORATORY, INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,029
	E I C LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	152
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	EATON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	ELECTRO SYS RING DO INTEL	Georgia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	150
	EMMANUEL COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	ENDOCHRONICS	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,317
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	ENGINEERING & ECONOMICS RES	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	68
	EPITAXX INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	211
	EVI INCORPORATED	Maryland	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	FALCON COMMUNICATIONS CORP	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	FLAM & RUSSELL INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	FLUID SCIENCES INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	36
	G T E LABORATORIES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	34
	G. T. DEVICES, INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	GA TECHNOLOGIES INC	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	139
	GENERAL COHERENT TECHNOLOGY	Texas	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	350
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
		Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	393
	CONTRACTOR TOTAL				90
					483

AJ11 (CONTINUED)

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	GEO-CENTERS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	\$ 531
		Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	1,012
	CONTRACTOR TOTAL				1,543
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	347
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	109
	GTE CORPORATION	Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	40
	HARRIS CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	135
	HARVARD COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	129
	HAZELTINE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	189
	HONEYWELL INC	Arizona	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	190
		Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	459
	CONTRACTOR TOTAL				649
	HUBB SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	390
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	533
			STATE TOTAL		923
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	867
	INSTITUTE FOR SYSTEMS ANALYSIS	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	59
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	76
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	JAYCOR	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	187
		Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	759
	CONTRACTOR TOTAL				946
	JOHNS HOPKINS UNIVERSITY	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	237
	K-TECH CORP	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	699
	KAPTRON INC	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	33

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ11 (CONTINUED)					
	KESTREL INSTITUTE	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	127
	KOPIN CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	KTECH CORPORATION	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	71-
	LA JOLLA INSTITUTE	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	325
	LASERTRON INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	LEHIGH UNIVERSITY	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	181
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	270
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	289
		New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	32
	CONTRACTOR TOTAL				321
	LOWELL OBSERVATORY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	26
	MARKO MATERIALS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	130
	MASSACHUSETTS INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	2,588
	MASSACHUSETTS UNIVERSITY OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,542
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	65
	MAXWELL LABORATORIES INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	486
	MC CRONE ASSOCIATES INC	Illinois	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	115
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	69
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	248
		Missouri	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	300
	CONTRACTOR TOTAL				548
	MESOSCALE ENVIRONMENTAL	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	79
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	30
	MICRO COATINGS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	219

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	\$ 62
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	132
		N.H.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	366
		Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	37
	CONTRACTOR TOTAL				535
	MULTISPEC CORPORATION	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	48
	NATIONAL ACADEMY SCIENCES USA	D.C.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	797
	NEW YORK UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	774
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	126
	NIELSEN ENGINEERING AND RES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	132
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	264
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	321
	NORTHROP CORPORATION	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	NORTHWEST RESEARCH ASSOCIATES	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	NORTHWESTERN UNIVERSITY	Illinois	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	271
	NOVA PHARMACEUTICAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	120
	NOVA UNIVERSITY INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	OPTRA INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	OPTROI SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	82
	ORTEL CORPORATION	California	NAVY USAF	RDTE/GEN SCIENCES & TECH - RESEARCH RDTE/GEN SCIENCES & TECH - RESEARCH	50 241
	STATE TOTAL				291
	OSBORNE ALLEN ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	46
	PACIFIC SIERRA RESEARCH CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	205

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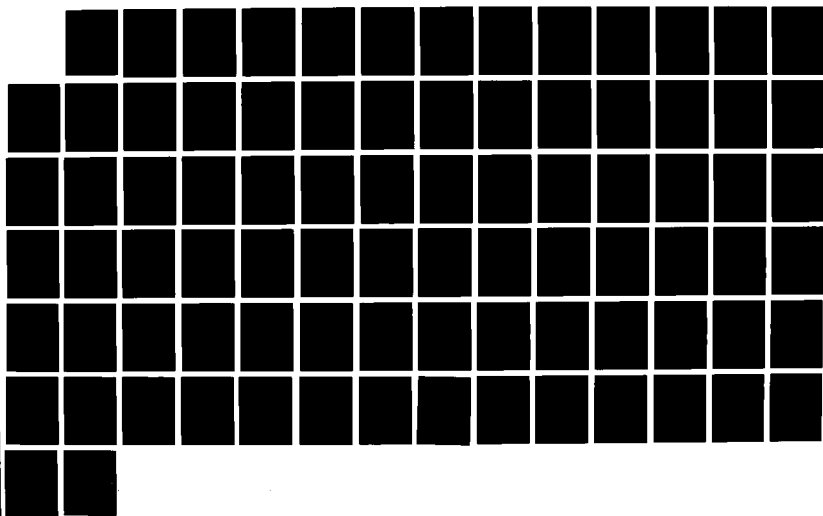
DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND
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SERVICES (DOD) DC DIRECTORATE FOR INF. 1988
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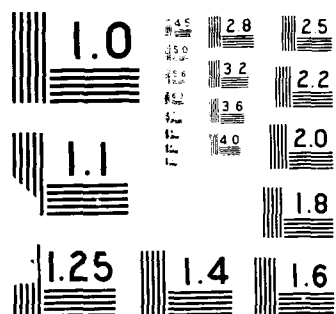
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PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ11	(CONTINUED)				
	PANAMETRICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	47
	PEDA CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	93
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	471
	PHOTO METRIC INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	150
	PHYSICAL DYNAMICS INC	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,034
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	937
	PLESSEY UK LIMITED	GERMANY, F	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	91
	POLYTECHNIC UNIV OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	662
	POTOMAC PHOTONICS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	254
	POTOMAC SYSTEMS ENGINEERING	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	430
	PRINCETON SCIENTIFIC INSTRS	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	175
	PRINCETON UNIVERSITY	New Jersey	ARMY USAF	RDTE/GEN SCIENCES & TECH - RESEARCH RDTE/GEN SCIENCES & TECH - RESEARCH	27 996
			STATE TOTAL		1,023
	PURDUE UNIVERSITY	Indiana	NAVY USAF	RDTE/GEN SCIENCES & TECH - RESEARCH RDTE/GEN SCIENCES & TECH - RESEARCH	65 496
			STATE TOTAL		561
	QUALCOMM INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	R & D ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	159
	RANDON APPLICATIONS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	39
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	171
	RESOURCE MANAGEMENT ASSOC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	170
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,247
	S M SYSTEMS AND RESEARCH CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	43
	SACHS FREEMAN	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	500
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	1,098

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	CONTRACTOR TOTAL				
	SANDERS ASSOCIATES INC	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	1,235
	SCHWARTZ ELECTRO-OPTICS INC	USAF	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	40
	SCIENCE & TECHNOLOGY CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,275
	SCIENCE APPLICATIONS INTL CORP	New Mexico	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	2,373
	SCIENTIFIC RESEARCH ASSOC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	36
	SEMCO, INC	Conn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	265
	SOUTHEASTN CTR ELECTR ENG ED	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	170
	SOUTHERN METHODIST UNIVERSITY	Florida	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	153
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	111
		Texas	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	50
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	26
			NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	264
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	60
			NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	313
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	373
	SPARTA INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	179
	SPECTRA PHYSICS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	218
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	855
	SPECTRAN CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	464
	SPECTRON DEVELOPMENT LABS	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	34
	SPECTRUM 39 LTD	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	160
	SPIRE CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	SRI INTERNATIONAL	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	150
		USAF	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	2,076
					2,226
	ST LOUIS UNIVERSITY	Missouri	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	158

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11	(CONTINUED)				
	STANFORD UNIVERSITY	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	\$ 4,154
	STATE UNIVERSITY OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	798
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	67
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	88
	T S C INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	62
	TACAN CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	205
	TECHNOLOGY FOR COMMUNCTNS INTL	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	TELEDYNE INDUSTRIES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	388
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	273
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	THERMACORE INC	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	400
	TRW INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	618
	U OF CALIFORNIA	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	110
	U OF MARYLAND GRAD SCHOOL	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	110
	ULTRAMET	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	160
	ULTRASYSTEMS INCORPORATED	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	78
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	300
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	691
	STATE TOTAL				991
		Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	28
	CONTRACTOR TOTAL				1,019
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	6,359
	UNIVERSITIES SPACE RES ASSN	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	390
	UNIVERSITY OF AKRON	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	175
	UNIVERSITY OF ALASKA	Alaska	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	103

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AJ11 (CONTINUED)

UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	\$	2,568
UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		150
		USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		3,810
	STATE TOTAL				3,960
UNIVERSITY OF CINCINNATI	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		180
UNIVERSITY OF COLORADO	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		451
UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		137
UNIVERSITY OF DENVER	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		130
UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		592
UNIVERSITY OF HOUSTON SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		58
UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		224
		USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		1,892
	STATE TOTAL				2,116
UNIVERSITY OF IOWA THE	Iowa	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		30
UNIVERSITY OF LOWELL	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		414
UNIVERSITY OF MARYLAND	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		73
	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		100
		USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		114
	STATE TOTAL				214
CONTRACTOR TOTAL					287
UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		386
UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		132
		USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		238
	STATE TOTAL				370
UNIVERSITY OF NEBRASKA	Nebraska	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		205
UNIVERSITY OF NEVADA SYSTEM	Nevada	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		44
UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		600

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ11 (CONTINUED)					
	UNIVERSITY OF NORTH CAROLINA	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	520
	UNIVERSITY OF OREGON	Oregon	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	127
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	282
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	200
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	760
	STATE TOTAL				960
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	3,356
	UNIVERSITY OF SOUTHERN MISSISS	Miss	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	779
	UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	UNIVERSITY OF WASHINGTON	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	169
	UNIVERSITY OF WEST FLORIDA	Florida	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	185
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	365
	STATE TOTAL				550
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	317
	VANDERBILT UNIVERSITY THE	Tennessee	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	100
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,323
	STATE TOTAL				1,423
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	128
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	124
	STATE TOTAL				252
	VISIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,009
	W E A	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	38
	WALLACE T H INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	253
	WEIDLINGER ASSOCIATES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	79
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	90

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	\$ 199
		Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	799
	CONTRACTOR TOTAL				998
	YALE UNIVERSITY	Conn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	50
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	387
	STATE TOTAL				437
	YORK UNIVERSITY	CANADA	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	897
R&D TOTAL					95,407
AJ12	AMERICAN MATRIX INC	Tennessee	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	50
	ANALYTIX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	392
	APPLIED SOLAR ENERGY CORP	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	84
	ARCON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	388
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	215
	ATLANTIC RESEARCH CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	558
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	655
	BDM CORPORATION	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	41-
	BELTRAN ASSOCIATES INC	New York	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
			USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	48
	STATE TOTAL				97
	BOEING COMPANY THE	Washington	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	831
	BOSTON COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	808
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	225
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	174
	CALIFORNIA URBAN INDIAN HEALTH	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	530
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	314

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ12 (CONTINUED)					
	COGNITIVE SYSTEMS INC	Conn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	992
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	57
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	250
	COMPUTATIONAL PHYSICS INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	50
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
	DISPLAYTECH INC	Colorado	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	92
	DYNETICS INC	Alabama	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
	EASTMAN KODAK COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	404
	ELECTROMAGNETIC SCIENCES INC	Georgia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	499
	FOSTER-MILLER INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	50
	FREQUENCY & TIME SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	53
	GALAXY MICROSYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	480
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	305
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	150-
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	171
	H & H AEROSPACE DESIGN INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	28-
	HAZELTINE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	183
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	1,104
	HUGHES ASSOCIATES INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	48
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	129
	KASK LABS	Arizona	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	495
	LICA SYSTEMS INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	132
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	314
	M R M ENGINEERS PC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
	MAN LABS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	189

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ12 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	91
	MASSACHSETTS TECHNOLOGICAL LAB	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	238
	MASSACHSETTS INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	783
	MAXWELL LABORATORIES INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	195
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	35
	MILLIMETER WAVE TECHNOLOGY	Georgia	ARMY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	
	MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	577
	MOSER HARRY E-APPLIMATH CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	65
	NEW YORK UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	307
	OHIO STATE UNIVERSITY	Ohio	NAVY USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	60 109
	STATE TOTAL				169
	OPTIMETRICS INC	Michigan	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	202
	PANAMETRICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	102
	PARKE MATHEMATICAL LABS	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	40
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	70
	PHOTO METRIC INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	247
	PHYSICAL SCIENCES INC	Mass	ARMY NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	26 168
	STATE TOTAL				194
	R D P INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	650
	RADEX INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	182
	RAYTHEON COMPANY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	418
	RCA CORPORATION	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	90
	REGIS COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	424
	RESEARCH & DATA SYSTEMS INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	95

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ12 (CONTINUED)	RETICON CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	301
	RICE WILLIAM MARSH UNIVERSITY	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	150
	RMS TECHNOLOGIES INCORPORATED	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	497
	RUHR-UNIVERSITAT	GERMANY, F	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	116
	S S G INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	373
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	531
	SCHWARTZ ELECTRO-OPTICS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	204
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	304
	SCOPE INCORPORATED	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	125
	SOUTHEASTN CTR ELECTR ENG ED	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	350
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	113
	SPERRY CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	65
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	487
	SYSTEMS INTEGRATION ENGINEER	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	65
	TRW INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	140
	ULTRAMET	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	154
	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	236
	UNIVERSITY OF ALASKA	Alaska	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	191
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	507
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	1,205
	UNIVERSITY OF KENT	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	110
	UNIVERSITY OF LOWELL	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	272
	UNIVERSITY OF MARYLAND	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	456
	UNIVERSITY OF MINNESOTA	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	312
	UNIVERSITY OF NEW MEXICO	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	51

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ12 (CONTINUED)					
	UNIVERSITY OF NOTTINGHAM	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	35
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	349
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	44
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	13,189
	VIASAT INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
	VIRGINIA POLYTECHNIC INST/ST UNI	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	V-SIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	287
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	40
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	1,182
	R&D TOTAL				40,110
AJ13	A T & T TECHNOLOGIES INC	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	102
	ADVANCED COMPOSITE ENGRG	Indiana	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	46
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	150
	AMERICAN INST RSRCH BEHAV SCI	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	60
	AMPTK INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,058
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	426
	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	7,678
	ANALYTIX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	6-
	APPLIED RESEARCH CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	48
	ARCO POWER TECHNOLOGY	D.C.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	500
	ARCON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	686
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	300
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	554
	BOEING COMPANY THE	Washington	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	146

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ13 (CONTINUED)					
			USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	\$
		STATE TOTAL			
	BROWN UNIV PRV ST RI PLAN	Rhode Isl	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	387
	CANADIAN COMMERCIAL CORPORATION	CANADA	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	533
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	162
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,144
	CHRONOS RSCH LABS INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	40
	CORNELL UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	832
	CORNING GLASS WORKS	New York	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	48
	CRAMER H E COMPANY INC	Maryland	ARMY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	82
		Utah	ARMY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	80
					42
					100
					142
	CONTRACTOR TOTAL				50
	CREATE, INC	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	100
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	650
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	53
	DYNASTAT INC	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	28-
	ELDEC CORPORATION	Washington	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	175
	FAIRCHILD AIRCRAFT CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	340
	G E C AVIONICS LTD	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	745
	GELTECH INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	942
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	52
		Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	994
	CONTRACTOR TOTAL				630
	GEO-CENTERS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	101
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AJ13 (CONTINUED)

H S S INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	\$	65
HARRIS CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		152
HAYES INTERNATIONAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		1,459
HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		392
HYPRES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		200
INTEGRATED SYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		85
L RAYMOND & ASSOCIATES	California	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		49
LOCKHEED CORPORATION	Georgia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		411
MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		106
	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		156-
CONTRACTOR TOTAL					50-
MASSACHUSETTS INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		594
MASSACHUSETTS UNIVERSITY OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		299
MC DONNELL DOUGLAS CORPORATION	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		1,888
METRICA INC	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		1,377
MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		187
MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		100
N K F ENGINEERING INC	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		79
NATIONAL CENTRE TRIBOLOGY	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		150
NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		103
NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		1,345
OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		985
OPTICAL TECHNOLOGIES INC	W Virginia	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		105
OWENS-CORNING FIBERGLAS CORP	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		685
PHOTON RESEARCH ASSOCIATES	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		48

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ13 (CONTINUED)					
	CONTRACTOR TOTAL				\$
	R & D ASSOCIATES	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	150
	RAYTHEON COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	198
	ROCKWELL INTERNATIONAL CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	32
	SACHS-FREEMAN ASSOCIATES INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	285
		D.C.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	507
			NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,607
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	310
	CONTRACTOR TOTAL				1,917
	SCIENCE APPLICATIONS INTL CORP	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	50
	SPACE TECH CORP	Colorado	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	252
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	162
	STANFORD UNIVERSITY	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	173
	STATE UNIVERSITY OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	265
	SYMETRIX CORPORATION	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	49
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	206
	SYSTEMS INTEGRATION ENGINEER	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	882
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	149
	UNITED KINGDOM AUTOMIC	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	2,737
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,529
		Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	80
	CONTRACTOR TOTAL				1,609
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	125
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	430
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	52
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	200

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AJ13 (CONTINUED)					
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	239
	VANDERBILT UNIVERSITY THE	Tennessee	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	113
	VARIAN ASSOCIATES INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	50
	VERAC INCORPORATED	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	697
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	211
	VISIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	670
	WAYNE STATE UNIVERSITY	Michigan	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	86
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	536
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	623
		Penn	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	384
	CONTRACTOR TOTAL				1,007
R&D TOTAL					43,024
AJ14	AMERASIA INTRNTIOAL TECHNOLOGY	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV	49
	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV	13,303
	C V D SYSTEMS & SERVICES INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50
	CIM SYSTEMS	Texas	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	490
	COLORADO STATE UNIVERSITY	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	193
	DYNAMET TECHNOLOGY INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	366
	ELECTRO-TECHNOLOGY CORPORATION	California	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50
	ENERGY OPTICS INC	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50
	FOSTER-MILLER INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	488
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV	376
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	256
	NATIONAL SECURITY RESEARCH	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV	326
	OPHIR CORP	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ14	(CONTINUED)				
	SACHS-FREEMAN ASSOCIATES INC	D. C.	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	\$ 100
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	30
	CONTRACTOR TOTAL				130
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	235
	SPIRE CORPORATION	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50
	TECHNO-SCIENCES INC	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	427
	THERMACORE INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	487
	TTL TECHNIQUES	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	486
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	80
	R&D TOTAL				17,942
AJ15	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	90
	APPLIED RESEARCH ASSOC INC	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	59
	GALILEO ELECTRO-OPTICS CORP	Mass	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	184
	LILLARD RESEARCH INCORPORATED	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	41
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	420
	POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	36
	PROMETHEUS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	236
	SCHAFER W J ASSOCIATES INC	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	70
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	598
	UNIVERSITY OF SOUTH FLORIDA	Florida	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	38
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	233
	R&D TOTAL				2,005
AJ16	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	565
	ANALATOM INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	APPLIED MCRWAVE PLISMA CONCEPTS	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ16 (CONTINUED)					
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	77
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	44
	ATOM SCIENCES INC	Tennessee	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	394
	BUSINESS TECHNOLOGICAL SYSTEMS	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	CERAMICS PROCESS SYSTEMS CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	47
	CHEMICAL DYNAMICS CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	100
	COMPUTER COMMAND & CONTROL CO	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	CSA ENGINEERING INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	DEACOX RESEARCH	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	55
	DIVERSIFIED ENGINEERING INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	96
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	138
	ESSEX CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	216
	EVANS CHARLES & ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	1
	F & H APPLIED ASSOCIATES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	FOSTER-MILLER INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	809
	HYPRES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	121
	INTERSPEC INC	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	300
	KEO CONSULTANTS	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	LASERGENICS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	46
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	METROLASER	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	157
	NIELSEN ENGINEERING AND RES	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	457
	P K CORP	Conn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	63
	PHYSICAL DYNAMICS INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	51

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ16 (CONTINUED)					
	POTOMAC PHOTONICS INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	\$ 245
	PROMETHEUS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	250
	QUALCOMM INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	RAND CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	19,222
	RISK & INDUSTRIAL SAFETY INC	Illinois	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	SCHWARTZ ELECTRO-OPTICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	476
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	258
	SCIENTIFIC SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	120
	SENSIS CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	52
	SPACE QUALIFIED SYSTEMS CORP	D.C.	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	TECHPLAN CORP	Virginia	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	500
	TS INFOSYSTEMS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	198
	TTL TECHNIQUES	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	VISTECH CONSULTANTS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	294
	R&D TOTAL				25,990
AN11	SOUTHERN BIOTECHNOLOGY ASSOC	Alabama	NAVY	RDTE/BIOMEDICAL - RESEARCH	293
AN12	ANTHROPOLOGY RESEARCH PROJECT	Ohio	ARMY	RDTE/BIOMEDICAL - EXPLORATORY DEVELOPMENT	282
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/BIOMEDICAL - EXPLORATORY DEVELOPMENT	100
	R&D TOTAL				382
AN15	ASSOCIATE CONSULTANTS INC	D.C.	ARMY	RDTE/BIOMEDICAL - OPER SYSTEMS DEVELOPMENT	185
AN22	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/DEPENDENCY - DRUGS - EXPLORATORY DEV	50
AN46	FOUNDATION HEALTH CORPORATION	California	ARMY	RDTE/HEALTH SERVICES - MGMT & SUPPORT	26,888
AN56	HUMAN AFFAIRS INTERNATIONAL	Utah	ARMY	RDTE/MENTAL HEALTH - MGMT & SUPPORT	32
AN73	DISPLAYTECH INC	Colorado	ARMY	RDTE/SPECIALIZED MED SVCS - ADVANCED DEV	94
AN91	ATLANTIC RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	105-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN91 (CONTINUED)					
	AVERETTE ROBERT D & CO INC	D.C.	ARMY	RDTE/OTHER MEDICAL - RESEARCH	36-
	BRANDEIS UNIVERSITY	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	127
	CASE WESTERN RESERVE UNIV	Ohio	ARMY	RDTE/OTHER MEDICAL - RESEARCH	66
	CHI SYSTEMS INC	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	469
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER MEDICAL - RESEARCH	112
	ELECTROMAGNETIC TECHNOLOGY,	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	567
	ENERGY CONVERSION DEVICES INC	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	162
	ENVIRONMENTAL DIAGNOSTICS	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	47-
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	341
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - RESEARCH	90
	GULF WEATHER CORP	Miss	ARMY	RDTE/OTHER MEDICAL - RESEARCH	325
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - RESEARCH	222
	HAHNEMANN UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	124
	HAWAII BIOTECHNOLOGY GP, INC	Hawaii	ARMY	RDTE/OTHER MEDICAL - RESEARCH	567
	HAZLETON LABORATORIES AMERICA	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	27-
	HERNER & COMPANY INC	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	812
	I R T CORPORATION	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	226
	INDIANA UNIVERSITY FOUNDATION	Indiana	ARMY	RDTE/OTHER MEDICAL - RESEARCH	38
	INVERESK RSCH INTL LTD	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - RESEARCH	33-
	JEFFERSON THOMAS UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	72
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	384
	KANSAS STATE UNIVERSITY	Kansas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	30
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	1,257
	MEHARRY MEDICAL COLLEGE	Tennessee	ARMY	RDTE/OTHER MEDICAL - RESEARCH	142
	MICROGENESYS INC	Conn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	473

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN91 (CONTINUED)					
	MOREHOUSE COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	\$ 33
	NEW ENGLAND MED CTR HOSPITALS	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	102
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	206
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	150
	NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	100
	PHARM-ECO LABORATORIES INC	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	271
	PHARMATEC INC	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	233
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL - RESEARCH	99
	SALK INST FOR BLGICAL STUDIES	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	557
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	233
	SLOAN-KETTERING	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	311
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	56
	SOUTHWEST FOUNDATION	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	606
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	2,103
	STATE OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER MEDICAL - RESEARCH	85
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	174
	SYSTEMS APPLICATIONS, INC	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	2,053
	TECHNICAL RESEARCH ASSOCIATES	Utah	ARMY	RDTE/OTHER MEDICAL - RESEARCH	148
	TUFTS UNIVERSITY	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	132
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER MEDICAL - RESEARCH	282
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER MEDICAL - RESEARCH	47
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	1,220
	UNIVERSITY OF CHICAGO THE	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	44
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	647
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	666

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN91 (CONTINUED)					
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	310
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	164
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - RESEARCH	150
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	118
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	187
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	240
	UNIVERSITY OF SOUTH FLORIDA	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	52
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	60
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	42
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER MEDICAL - RESEARCH	222
	UNIVERSITY OF WESTERN ONTARIO	CANADA	ARMY	RDTE/OTHER MEDICAL - RESEARCH	50
	UNIVERSITY OF WYOMING	Wyoming	ARMY	RDTE/OTHER MEDICAL - RESEARCH	191
	UNIVERSITY-MD EYE ASSOCS PA	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	127
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	95
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	219
	YESHIVA UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	31
	R&D TOTAL				19,174
AN92	AMERICAN INST BIOLOGCL SCIENCE	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	148
	AMERICAN OPTICAL CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	254
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	150
	BAYLOR UNIVERSITY	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	96
	BDM CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	46
	BIONETICS RESEARCH INC	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	166
	BIOTEK INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	237
	BOSTON UNIVERSITY TRUSTEES OF	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	85

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN92 (CONTINUED)					
	BRIGHAM AND WOMENS HOSP INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	164
	BRIGHAM YOUNG UNIVERSITY	Utah	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	40
	CALSPAN CORPORATION	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	128
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,108
	CHILDRENS MEDICAL CENTER CORP	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	139
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	117
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	49
	DANA-FARBER CANCER INSTITUTE	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	81
	DENALI MED RSCH PROJECT	Alaska	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	27
	DYNAMAC CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	229
	EG&G MASON	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,361
	EMORY UNIVERSITY	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	155
	FLOW LABORATORIES INC	Virginia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	170
	FOX CHASE CANCER CENTER	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	143
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	164
	GAMBLE JAMES N INST MED RES	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	142
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	331
	GORGAS MEMORIAL INSTITUTE	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	300
	GULF COAST RESEARCH LABORATORY	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	105
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	153
	HAWAII BIOTECHNOLOGY GP, INC	Hawaii	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	346
	HEALTH RESEARCH INC	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	243
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	222
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	201
	JAYCOR	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,314

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AN92 (CONTINUED)

JEFFERSON THOMAS UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	\$ 815
JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	538
LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	93
LONDON SCHOOL OF HYGIENE	UNITED KIN	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	68
LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	367
MARSHALL UNIVERSITY	W Virginia	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	61
MASSACHSETTS INST OF TECHNOLOGY	Mass	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	148
MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	298
MEDICAL COLLEGE OF GEORGIA	Georgia	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	138
MEDICAL COLLEGE OF PA	Penn	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	407
MOREHOUSE COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	89
NATURAL ENVIRONMENTAL	UNITED KIN	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	134
NATURAL ENVIRONMTL RSCH COUNCI	UNITED KIN	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	87
NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	199
NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	85
OHIO UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	178
OHIO WESLEYAN UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	97
PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	73
PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	113
RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	468
ROCHESTER INST OF TECHNOLOGY	New York	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	83
ROCKEFELLER UNIVERSITY INC THE	New York	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	142
SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	288
SLOAN-KETTERING	New York	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	244
SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL	- EXPLORATORY DEVELOP	261

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN92 (CONTINUED)					
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	932
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	897
	SPELMAN COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	87
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	2,157
	STANFORD UNIVERTSITY	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	56
	STARKS ASSOCIATES INC	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	170
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	588
	STERIODS LTD	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	177
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	247
	TEMPLE UNVRSTY/CMNWLTH SYST	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	201
	THERMEDICS INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	718
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	405
	UNIVERSITY MEDICINE & DENTIST	New Jersey	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	702
	UNIVERSITY OF ALBERTA	CANADA	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	59
	UNIVERSITY OF BIRMINGHAM	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	33
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	244
	UNIVERSITY OF CHICAGO THE	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	47
	UNIVERSITY OF CINCINNATI	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	231
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	108
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,219
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	373
	UNIVERSITY OF GEORGIA	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	425
	UNIVERSITY OF HAWAII	Hawaii	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	209
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	178
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	512

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN92 (CONTINUED)					
	UNIVERSITY OF KENTUCKY	Kentucky	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	55
	UNIVERSITY OF LOUISVILLE	Kentucky	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	109
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	359
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	726
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	430
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	686
	UNIVERSITY OF MISSISSIPPI	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	197
	UNIVERSITY OF NEW MEXICO	New Mexico	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	121
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	119
	UNIVERSITY OF RHODE ISLAND	Rhode Isl	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	181
	UNIVERSITY OF SAN FRANCISCO	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	114
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	302
	UNIVERSITY OF SOUTHERN MISSISS	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	183
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	537
	UNIVERSITY OF THE PACIFIC	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	282
	UNIVERSITY OF VERMONT	Vermont	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	71
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	369
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	338
	WASHINGTON UNIVERSITY	Missouri	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	283
	WEIZMANN INSTITUTE THE	ISRAEL	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	164
	WRIGHT STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	297
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	144
	R&D TOTAL				31,130
AN93	ABEL COMPANY	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	49
	AMERICAN OPTICAL CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,759

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN93 (CONTINUED)					
	ANATECH LTD	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	ASH STEVENS INC	Michigan	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	433
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	3,963
	BAXTER HEALTHCARE CORPORATION	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,132
	BIO METRIC SYSTEMS INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	BIONETICS RESEARCH INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	766
	BIOSTAR MEDICAL PRODUCTS INC	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	48
	BROWN JOHN ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	98
	CAMBRIDGE BIOSCIENCE CORP	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	378
	CASTLE CO INC	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	754
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	120
	COLUMBIA UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	97
	DIAGNOSTIC SPECIALTIES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	355
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	200
	E-O PRODUCTS CORP	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	43
	EAGLE-PICHER INDUSTRIES INC	Kansas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	343
	ELECTRO-NUCLEONICS INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	300-
	ELECTRON TRANSFER TECHNOL INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	ENGINEERING & ECONOMICS RES	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,261
		Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,411
	CONTRACTOR TOTAL				3,672
	EVAPORATED COATINGS INC	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	157
	GUILD ASSOCIATES INC	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	230

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN93 (CONTINUED)					
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	264
	HAZLETON LABORATORIES AMERICA	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,112
	HUNTINGDON RESEARCH CENTER	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	139
	JACOBUS PHARMACEUTICAL CO., INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	33
	JAYCOR	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	152
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,242
	KONIGSBERG INSTRUMENTS INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	492
	MEDICAL CLLEGE OHIO AT TOLEDO	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	76
	MEPECC INTERNATIONAL INC	Georgia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	200
	METTERS INDUSTRIES INC	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	509
	MICRO PROBE CORP	Washington	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	MICROBIOLOGICAL ASSOCIATES	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	64-
	MITRE CORPORATION	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	9,429
	MOLECULAR GENETICS INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	215
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	100-
	NEUSHUL MARICULTURE, INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	NEW ENGLAND MED CTR HOSPITALS	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	91
	PATHOLOGY ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	185
	PHARM-ECO LABORATORIES INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	199
	PORTON INTL LTD	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	983
	POTOMAC SYNEGETICS INC	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	PRES&FELLOWS OF HARVARD COL	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	282
	PUBLIC HEALTH RESEARCH	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	390
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	247

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN93 (CONTINUED)	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	59
	RAYEX CORP	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	740
	RIKER LABORATORIES INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,863-
	ROHM AND HAAS COMPANY	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	225-
	SALK INST FOR BLGICAL STUDIES	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,257
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	265
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	330
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	131
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,250
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	470
	STARKS ASSOCIATES INC	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	417
	STERIMATICS CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	6,628
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	633
	TECHNASSOCIATES INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,006
	TOPICAL TESTING, INC	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	207
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	858
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	101
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	485
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	573
	UNIVERSITY OF KANSAS	Kansas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	145
	UNIVERSITY OF LOWELL	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	209
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	148
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	140

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AN93 (CONTINUED)					
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	224
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	73
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	179
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	421
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	646
	VANDERBILT UNIVERSITY THE	Tennessee	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	751
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	382
	R&D TOTAL				49,563
AN94	HAUSER LABORATORIES	Colorado	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	48
	PICKER INTERNATIONAL INC	Ohio	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	10,560
	ROHM AND HAAS COMPANY	Penn	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	2,300
	SALK INST FOR BLGICAL STUDIES	Penn	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	3,440
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	395
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	630
	CONTRACTOR TOTAL	CHILE	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	277
	R&D TOTAL				907
AN95	MICHIGAN DEPT OF PUBLIC HEALTH	Michigan	ARMY	RDTE/OTHER MEDICAL - OP SYSTEMS DEVELOP	17,650
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - OP SYSTEMS DEVELOP	2,196
	R&D TOTAL				50
AN96	DEN-TAL-EZ INC	Penn	NAVY	RDTE/OTHER MEDICAL - MGMT & SUPPORT	2,246
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - MGMT & SUPPORT	25
	R&D TOTAL				97
AP51	SEACO INC	Hawaii	NAVY	RDTE/NATURAL RESOURCES-MARINE - RESEARCH	122
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	ARMY	RDTE/NATURAL RESOURCES-MARINE - RESEARCH	121
					120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	R&D TOTAL				241
AP53	SEACO INC	Hawaii	NAVY	RDTE/NATURAL RESOURCES-MARINE - ADV DEV	3,032
AP55	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/NATURAL RESOURCES-MARINE - OP SYS DEV	38
AR11	FORD AEROSPACE	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	900
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	PHOTO METRIC INC	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	46
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	869
	RCA CORPORATION	New Jersey	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	RESEARCH TRIANGLE INSTITUTE	Florida	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	758
	R&D TOTAL				7,034
AR12	HARRIS CORPORATION	Florida	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	189
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	433
	NEW MEXICO STATE UNIVERSITY	New Mexico	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	538
	NORTHROP CORPORATION	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	95
	SPARTA INC	California	NAVY	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	340
	SPIRE CORPORATION	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	615
	R&D TOTAL				2,210
AR13	BARRIOS TECHNOLOGY INC	Texas	NAVY	RDTE/AERONAUTICAL & SPACE TECH - ADV DEV	41
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/AERONAUTICAL & SPACE TECH - ADV DEV	27
	R&D TOTAL				68
AR14	AMOCO TECHNOLOGY CO	Maryland	NAVY	RDTE/AERONAUTICAL & SPACE TECH - ENGR DEV	714
AR16	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	150
	COHERENT TECHNOLOGIES INC	Colorado	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	400
	ELECTRO-OPTIK CORPORATION	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	53
	MATERIAL & ELECTROCHEMICAL	Arizona	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	50

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	R&D TOTAL				653
AR21	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	1,169
	MICROCIRC ASSOCIATES	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	125
	RICE WILLIAM MARSH UNIVERSITY	Texas	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	42
	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	225
	SEVERN COMMUNICATIONS CORP	Maryland	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	75
	R&D TOTAL				1,636
AR22	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	211
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	203
	MAYFLOWER COMMUNICATION CO	Mass	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	100
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	5,348
	STANFORD UNIVERSITY	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	114
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	653
	R&D TOTAL				6,629
AR23	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	400
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	74,499
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	74,681
	TRW INC	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	2,447
	R&D TOTAL				152,027
AR25	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	3,805
	AEROSPACE CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	367,000
	INTERNATIONAL BUS MCHS CORP	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	940
		Colorado	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	9,764
	CONTRACTOR TOTAL				10,704
	MASSACHSTTS INST OF TECHNOLOGY	Mass	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	100
	O A O CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	197

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AR25 (CONTINUED)					
	RCA CORPORATION	New Jersey	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	13,082
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	703
	TRW INC	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-OP SYS DEV	68,477
	R&D TOTAL				464,068
	AR26 FOSTER-MILLER INC	Mass	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-MGMT SUP	286
	AR32 DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/SPACE TRANSPORTATION SYSTEMS-EXP DEV	2,078
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-EXP DEV	327
	R&D TOTAL				2,405
	AR33 BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	2,200-
	DYNETICS INC	Alabama	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	276
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	331
	INTERNATIONAL BUS MCHS CORP	Texas	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	1,488
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	7,281
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	4,678
	R&D TOTAL				11,854
	AR34 BOEING COMPANY THE	Washington	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	53,305
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	238,088
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	SYGNETRON PROTECTION SYSTEMS	Maryland	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	2,248
	TRIDENT DATA SYSTEMS INC	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	350
	U S B I CO	Alabama	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	R&D TOTAL				311,991

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AR35	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	178
	BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	966
	BOEING COMPANY THE	Washington	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	161
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	2,600
	INFOTEC DEVELOPMENT INC	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	400
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	1,655
		Colorado	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	9,777
	CONTRACTOR TOTAL				11,432
	MC DONNELL DOUGLAS CORPORATION	Florida	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	857
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	1,982-
	R&D TOTAL				14,612
AR36	TRIDENT DATA SYSTEMS INC	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-MGMT SUP	1,372
AR41	BDM CORPORATION	Virginia	USAF	RDTE/SPACE TRACKING & DATA ACQ - RESEARCH	49
	NORTHWESTERN UNIVERSITY	Illinois	NAVY	RDTE/SPACE TRACKING & DATA ACQ - RESEARCH	528
	R&D TOTAL				577
AR43	GENERAL ELECTRIC COMPANY	Penn	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ADV DEV	82
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ADV DEV	1,298
	R&D TOTAL				1,380
AR44	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	80
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	100
	INTERFEROMETRICS INC	D.C.	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	171
		Virginia	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	396
	CONTRACTOR TOTAL				567
	INTERMETRICS INC	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	98
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	140
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	2,896
	SRI INTERNATIONAL	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	98

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		\$
AR44 (CONTINUED)						
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV		10,826
	R&D TOTAL					14,805
AR45	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - OP SYS DEV		15,931
	BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRACKING & DATA ACQ - OP SYS DEV		2,354
	INTERNATIONAL BUS MCHS CORP	Colorado	USAF	RDTE/SPACE TRACKING & DATA ACQ - OP SYS DEV		18,997
	LITTON SYSTEMS INC	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - OP SYS DEV		1,329
	R&D TOTAL					38,611
AR46	BERNER LANPHIER AND ASSOC	Maryland	USAF	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP		410
	DYNACORP	New Mexico	ARMY	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP		5,462
	PERKIN ELMER CORPORATION	Conn	USAF	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP		192
	R&D TOTAL					6,064
A753	BRUSH WELLMAN INC	Ohio	USAF	RDTE/SPACE & TERRESTRIAL APPLIC - ADV DEV		550
AR91	AUBURN UNIVERSITY	Alabama	NAVY	RDTE/OTHER SPACE - RESEARCH		1,762
	CCE	California	USAF	RDTE/OTHER SPACE - RESEARCH		55
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/OTHER SPACE - RESEARCH		15,148
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - RESEARCH		848
	MASSACHUSETTS TECHNOLOGICAL LAB	Maryland	ARMY	RDTE/OTHER SPACE - RESEARCH		105
	SOFTWARE TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER SPACE - RESEARCH		255
	TRW INC	California	USAF	RDTE/OTHER SPACE - RESEARCH		848
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER SPACE - RESEARCH		52
	R&D TOTAL					19,073
AR92	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		85
	HELIX TECHNOLOGY CORPORATION	Mass	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		82-
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		27-
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		13,391

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AR92 (CONTINUED)					
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	275
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	28-
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	345
	PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	4,730
	SCHAFER W J ASSOCIATES INC	Mass	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	100
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	5,410
	TRW INC	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	9,847
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	154
	R&D TOTAL				34,200
AR93 AEROJET TECHSYSTEMS CO					
	AVCO CORPORATION	Mass	NAVY	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	260-
	BALL CORPORATION	Colorado	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	260-
	E-SYSTEMS INC	Virginia	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	5,734
	FORD AEROSPACE	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	82
	HELIX TECHNOLOGY CORPORATION	Mass	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	8,816
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	250
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	230
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	2,125
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	74,341
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	32,353
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	291-
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	500
	TRW INC	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT	99,094
	R&D TOTAL				1,050
AR94 BOEING COMPANY THE					
		Washington	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	223,764
					7,762-

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AR94 (CONTINUED)					
	GENERAL DYNAMICS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	503
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	5,000
	ITT CORPORATION	New Jersey	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,108
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,510
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	20,837
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	7,810
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,200
	THERMO ELECTRON CORPORATION	Mass	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	75
	TRW INC	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	685
	R&D TOTAL				30,966
AR95	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	282
	FORD AEROSPACE	California	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	8,405
	SPACE APPLICATIONS CORPORATION	California	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	8,288
	WILLARD MYRA T ENTERPRISES	Oregon	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	50
	R&D TOTAL				17,025
AR96	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	100
	CONTRACTOR TOTAL	Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	51
	B D SYSTEMS INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	151
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	350
	DEFENSE SYSTEMS INC	Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	99
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	50
	GIGABIT LOGIC INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	19,951
	INDEPENDENT RISK ASSESSMENT	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	225
	INTERSPEC INC	Penn	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	49
					149

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AR96 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	150
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	901
	PERCEPTRONICS INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	46
	SCI SYSTEMS INC	Alabama	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	33
	TRW INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	49
R&D TOTAL					22,203
AS11	DAINA	Minnesota	NAVY	RDTE/TRANSPORTATION - AIR - RESEARCH	46
	TWIN TOWN LEASING CO INC	Florida	NAVY	RDTE/TRANSPORTATION - AIR - RESEARCH	73
R&D TOTAL					119
AS24	MC KENNA-DAVIS TRUCKS INC	N Carolina	ARMY	RDTE/TRANSPORTATION - MOTOR VEH - ENG DEV	117
AS34	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/TRANSPORTATION - RAIL - ENG DEV	3,728
AS92	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER MODAL TRANSPORTATION - EXP DEV	168
AS95	E M I TECHNOLOGIES INC	New Mexico	USAF	RDTE/OTHER MODAL TRANSPORTATION-OP SYS DEV	367
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER MODAL TRANSPORTATION-OP SYS DEV	98
R&D TOTAL					465
AT13	FAIREY ENGINEERING LTD	GABON	NAVY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ADV DEV	26
	FOSTER-MILLER INC	Mass	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ADV DEV	1,235
R&D TOTAL					1,261
AT14	FOSTER-MILLER INC	Mass	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ENG DEV	925
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ENG DEV	39
R&D TOTAL					964
AU91	L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER COMMODITY TRANS - RESEARCH	250
AV13	INGERSOLL-RAND COMPANY	Texas	NAVY	RDTE/SUBSURFACE MINING EQUIPMENT-ADV DEV	377
AV32	HONEYWELL INC	Minnesota	NAVY	RDTE/SUBSURFACE MINING METHODS - EXP DEV	1,864
	LORAL CORPORATION	Ohio	NAVY	RDTE/SUBSURFACE MINING METHODS - EXP DEV	1,864

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	R&D TOTAL				3,728
AV51	A A I CORPORATION	Maryland	ARMY	RDTE/MINING RECLAMATION METHODS - RESEARCH	260
AZ11	A B A M ENGINEERS INC	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	94
	A T & T TECHNOLOGIES INC	N Carolina	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	195
	ACADEMY OF APPLIED SCIENCE INC	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
	ADVANCED COMPOSITE PRODUCTS	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	372
	ADVANCED TECH MATERIALS INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	67
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	ALLIED SIGNAL AEROSPACE CO	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	7,430
	CONTRACTOR TOTAL	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,762
					9,192
	ALPHATECH INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
	AMERASIA TECHNOLOGY INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	248
	ANALYTIC SCIENCES CORP	Mass	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80 160
	STATE TOTAL				240
	ANALYTICA OF BRANFORD INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	156
	ANATRACE INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	APPLIED RESEARCH ASSOC INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	APPLIED RESEARCH CORPORATION	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	279
	APPLIED TCHNOLOGY ASSOC INC DEL	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	350
	APTEK INC	Colorado	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75 549
	STATE TOTAL				624
	ARCHITECTURAL ENERGY CORP	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	184
	ARIZONA STATE UNIVERSITY	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	ARL INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	685

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	ARON VECHT & ASSOCIATES	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 100
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	285
	ASTRON CORPORATION	Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	ASTROSYSTEMS INC	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	212
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	523
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	449
		STATE TOTAL			972
	AVANTI POLAR LIPIDS	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	AXIOMATIX	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	BATTELLE MEMORIAL INSTITUTE	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	240
		Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	56
		California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	464
		Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
		Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	157
		D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
		Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	273
		Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	130
		Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	321
		Indiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
		Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
		Maine	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	38
		Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	187
		DLA		RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	3,630
		STATE TOTAL			3,817
		Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	385

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
		Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 103
		Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
		Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	111
		New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	277
		New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	93
		New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	210
		N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
		Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,729
		DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,314	
		STATE TOTAL			4,043
		Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	114
		S Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	144
		Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	540
		Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	289
	CONTRACTOR TOTAL				12,144
	BDM CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	240
		USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	299	
	STATE TOTAL				539
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	324
	CONTRACTOR TOTAL				863
	BELL TELEPHONE LABS INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	372
	BEN GURION UNIVERSITY OF THE N	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	BIO-IMAGING RESEARCH INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	43
	BOEING COMPANY THE	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	135

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	BOOZ ALLEN & HAMILTON INC	Ohio	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 5,241
	BORGMAN L E INC	Wyoming	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
	BOSTON COLLEGE	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	134
	BOSTON UNIVERSITY TRUSTEES OF	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	475
	BRIMROSE CORP OF AMERICA	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	500
	BROWN UNIV PRV ST RI PLAN	Rhode Islnd	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	821
	BRUNEL UNIVERSITY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	C V D EQUIPMENT CORPORATION	New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
	CACI INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	478
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	938 137 30
		STATE TOTAL			1,105
	CALIFORNIA RES & TECHNOLOGY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	593
	CALIFORNIA STATE UNIV - CHICO	California	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	115 1,379
		STATE TOTAL			1,494
	CALSPAN CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	199
	CAMBRIDGE CONSULTANTS LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	753
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	575
	CASE WESTERN RESERVE UNIV	Ohio	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	354 62
		STATE TOTAL			416
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	71
	CAULFIELD ENGINEERING	CANADA	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	27
	CENTRO DI CULTURA SCIENTIFICA	ITALY	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	CERCOM INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	74
	CHAPMAN, RAY & ASSOCIATES	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	CHEMICAL DYNAMICS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	116
	CHOCTAW ENGINEERING COMPANY, I	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	257
	CLARKSON UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	216
	CLEMSON UNIVERSITY	S Carolina	ARMY DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	55 1,606
		STATE TOTAL			1,661
	COLEMAN RESEARCH CORPORATION	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	127
	COLORADO SCHOOL OF MINES	Colorado	AKMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	177
	COLORADO STATE UNIVERSITY	Colorado	ARMY OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,732 36
		STATE TOTAL			1,768
	COLUMBIA UNIVERSITY	New York	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	880 170 64
		STATE TOTAL			1,114
	COMMAND SYSTEMS GROUP INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	433
	COMMONWEALTH OF VIRGINIA	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	COMPU SYSTEMS CORPORATION	Wyoming	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	COMPUTATIONAL MECHANICS	Tennessee	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	COMPUTER COMMAND & CONTROL CO	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
	CONNECTICUT STATE OF	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CONSORTIUM UNIV WASH METRO	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	374
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	116
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	6,106

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 595
		STATE TOTAL			6,701
	CRESAP MCCORMICK AND PAGET	Illinois	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	560
	CRYSTAL SYSTEMS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	CSA ENGINEERING INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
	CTA INCORPORATED	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	274
	D C W INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	81
	DAEDALUS ENTERPRISES INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	669
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	172
	DEFENSE GROUP, INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	304
	DEVCON INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	DIGITAL EQUIPMENT CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	196-
	DIGITAL VIDEO PROCESSING, INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	377
	DOW CHEMICAL COMPANY THE	Michigan	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140 100
		STATE TOTAL			240
	DREXEL UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	123
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	812
	DYNAMAC INTERNATIONAL INC	Maryland	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,700
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	498
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	153
	EAGLE TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	492
	EAST CAROLINA UNIVERSITY	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	59
	EATON CORPORATION	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	EG&G MASON	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	93
	ELECTRO-MAGNETIC APPLICATION	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	EMCORE CORP	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	EMORY UNIVERSITY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	219
	ENDOCHRONICS	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	ENVIRON RSCH INST OF MICHIGAN	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	72
	ENVIRONMENTAL RESEARCH	Michigan	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	ESSEX ELECTRO ENGINEERS INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,306--
	EVANS CHARLES & ASSOCIATES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	83
	EVANS-HAMILTON INC	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	EXTERIOR WALL SYSTEMS EWS NC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	FAILURE ANALYSIS ASSOCIATES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	FAIRCHILD AIRCRAFT CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	119
	FAIRCHILD INDUSTRIES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	650
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,484
	CONTRACTOR TOTAL				2,134
	FASHION INST OF TECHNOLOGY	New York	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,330
	FLORIDA ATLANTIC UNIVERSITY	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
	FLORIDA STATE UNIV NOT INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	84
	FLOUROCHEM INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	55
	FLOW INDUSTRIES INC	Washington	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	717 120
			STATE TOTAL		837
	FM TECHNOLOGIES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	46
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	313

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	FRAUNHAFER GESELLSCHAFT ZUR FOE	GERMANY, F	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	295
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	46
	G I W INDUSTRIES INC	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	87
	GALAXY MICROSYSTEMS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	179
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	796
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	294
	CONTRACTOR TOTAL				1,090
	GENERAL ELECTRIC COMPANY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,029
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	325
	STATE TOTAL				2,354
	CONTRACTOR TOTAL	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	185
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,539
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	650
	CONTRACTOR TOTAL				263
	GENTEX CORPORATION	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	913
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,726
		Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	15,485
	CONTRACTOR TOTAL				1,450
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	16,935
	GEORGE WASHINGTON UNIV THE	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	135
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	109
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,030
	STATE TOTAL				1,897
	GEORGIA STATE UNIVERSITY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	5,927
					51

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	GRACE W R & CO	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 119
	GROUND ENGINEERING INC	Missouri	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	H I T INC	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	346
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140
	HATFIELD POLYTECH CENTRE THE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	HEBREW UNIVERSITY OF JERUSALEM	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	74
	HONEYWELL INC	Minnesota	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	246 52
		STATE TOTAL			298
	HOWARD R PADGITT & ASSOC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	HUGHES AIRCRAFT COMPANY	California	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	177 4,526 50
		STATE TOTAL			4,753
	HYDROQUAL INC	New Jersey	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	183
	I I T RESEARCH INSTITUTE	Illinois	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,598
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	195
	INFORMTION SYSTEMS NTRWKS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	550
	INSTITUTE DE CHIMIE PHYSIQUE	SWITZERLAN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	65
	INTERFEROMETRICS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	233
	INTERNATIONAL BUS MOHS CORP	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	340
	INTERSCIENCE INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	500
	ITE INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	ITT CORPORATION	New Jersey	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	199
	J & D SCIENTIFIC INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	J P LABORATORY INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	JAI ASSOCIATES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	JAYCOR	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
		Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	36
		Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CONTRACTOR TOTAL				143
	JOHN P WILCOX CONSULTANT	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	61
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	218
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	STATE TOTAL				278
	KAISER OPTICAL SYSTEMS INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	220
	KAMAN SCIENCES CORPORATION	California	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	916
	KANSAS STATE UNIVERSITY	Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIUM	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	KEM-TEK INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	KETRON INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	KOPIN CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	KYLE EQUIPMENT CO INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	92
	L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	LABORATORIO NACIONAL DE	PORTUGAL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	LASER SYSTEMS & RSCH CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	483
	LEHIGH UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	130
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 104
	LITTON SYSTEMS INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	489
	LOCKHEED CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	477
	LOCKHEED MISSILES & SPACE CO	California	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	180 172
		STATE TOTAL			352
	LOCUS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	34
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	LOUISIANA TECH UNIVERSITY	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	87
	LRA LABORATORIES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	71
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	248
	LUTRONIX INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	M C R TECHNOLOGY CORP	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	M S P CORPORATION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
	M/A-COM INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	101
	MACHINE INTELLIGENCE RESCH	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
	MAFAT DEPT OF BEHAVIORAL SCIEN	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	32
	MAGNASONICS, INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	MANAGEMENT COMM CNTROL	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	325
	MARIQUEST INC	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,030
	MARQUARDT COMPANY THE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	450
	MARTIN MARIETTA CORPORATION	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
		Maryland	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49 1,200
		STATE TOTAL			1,249
	CONTRACTOR TOTAL				1,296

DEPARTMENT OF DEFENSE

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	MASSACHUSETTS INST OF TECHNOLOGY	Mass	ARMY NAVY USAF OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 6,086 386 170 40
		STATE TOTAL			6,682
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	851 88
		STATE TOTAL			939
	MAXWELL LABORATORIES INC	California	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	193 363
		STATE TOTAL			556
		Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	127
	CONTRACTOR TOTAL				683
	MAYFLOWER COMMUNICATION CO	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	325
	MC CRONE ASSOCIATES INC	Illinois	NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	42 718
		STATE TOTAL			760
	MC DONNELL DOLGLAS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	89
	MEGABAR CORPORATION	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	MESA, INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	115
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	625
	MICHIGAN TECHNICAL UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	79
	MIDWEST BUSINESS SYSTEMS INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	31
	MINNESOTA MIN & MFG COMPANY	Minnesota	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	44
	MISSION RESEARCH CORPORATION	California	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	330 111 380
		STATE TOTAL			821
	MISSISSIPPI STATE UNIVERSITY	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	220
	MODUSPEC COMPANY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	MOLECULAR DEVICES CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	517
	MONTANA STATE UNIVERSITY	Montana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	MOTOROLA INC	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	110
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	NATIONAL ACADEMY SCIENCES USA	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
		D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	898
	CONTRACTOR TOTAL				968
	NATIONAL COMPUTING CENTRE LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	38
	NEW HAMPSHIRE UNIVERSITY SYS	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,084
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	185
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	275
	NIELSEN ENGINEERING AND RES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	189
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,299
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	267
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
	STATE TOTAL				1,591
	NORTH DAKOTA ST UNIVER ALUMNI	N Dakota	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	NORTHEASTERN UNIVERSITY CORP	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	NORTHWEST HYDRAULIC CONS	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	NORTHWESTERN UNIVERSITY	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	148
	NUCLEAR METALS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
	OCLI OPTICAL COATINGS LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	249
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
	STATE TOTAL				398

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 160
	OLD DMNION UNIV RES FUNDATION	Virginia	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	170 62
		STATE TOTAL			232
	OPEN UNIVERSITY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	29
	OPTECH, INC	CANADA	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	238
	OPTIMETRICS INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,455
	OUACHITA BAPTIST UNIVERSITY	Arkansas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	13
	P C O INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	PAIRCON CORP	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	PANAMETRICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	PENGUIN SOFTWARE INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	299
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,172 50
		STATE TOTAL			1,222
	PERCEPTICS CORPORATION	Tennessee	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	250
	PERCEPTRONICS MAN MACH SYS LTD	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	PHOTO METRIC INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	78
	PHYSICAL RESEARCH INC	Alabama	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	PHYSICAL SCIENCES INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	273
	POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	POUR LE DEVEL DE LA RECHERCHE	FRANCE	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26
	PRECISION ACOUSTIC DEVICES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	46
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	820
	PURDUE UNIVERSITY	Indiana	ARMY DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	603 612

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 42
		STATE TOTAL			1,257
	Q S D INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	66
	Q-DOT INC	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	459
	QUEEN ELIZABETH COLLEGE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	QUEST STRUCTURES	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	RAYTHEON-NORTHROP INNS JNT VNTR	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	RECON OPTICAL INC	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	168
	REG OF UNIV OF COLORADO, THE	Colorado	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	71
	REKENTHALER TECHNOLOGY ASSOC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	RENSELAEER POLYTECHNIC INST	New York	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,453 103 100
		STATE TOTAL			1,656
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	RICARDO CONSULTING ENGINEERS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	114
	RICE WILLIAM MARSH UNIVERSITY	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	399
	RIEDEL INTERNATIONAL INC	Oregon	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	357
	ROBINTECH INCORPORATED	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	432
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	948
	ROYAL COLLEGE (MILITARY) OF SC	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	ROYAL INSTITUTION	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	271 600
		STATE TOTAL			871
	S T SYSTEMS CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,387

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	CONTRACTOR TOTAL				
	SAXPY COMPUTER CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 640
	SCHAFER W J ASSOCIATES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	3,027
	SCHOTT GLASS TECHNOLOGIES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SCIENCE APPLICATIONS INTL CORP	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	300
		California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	196
			ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	415
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	490
		DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60	
	STATE TOTAL				965
		Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	168
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	210
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	175
	STATE TOTAL				385
	CONTRACTOR TOTAL				1,518
	SCIENTIFIC ENGINEERING INSTRS	Nevada	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	178
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	250
			STATE TOTAL		428
	SCISO INC	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SECO-DYN INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	SEDIMENT INSTRU RES DEVE	Illinois	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	97
	SHENANDOAH SYSTEMS CO INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	85
	SIERRA GEOPHYSICS INC	Washington	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	192
	SIGCOM INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SKI MEDIA LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SOUTHERN METHODIST UNIVERSITY	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,329

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY USAF DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 597 39 1,815 2,451
		STATE TOTAL			
	SPACE COMPUTER CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	SPRINGBORN GROUP INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	97
	SRI INTERNATIONAL	California	ARMY NAVY USAF DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,126 245 155 1,839 3,365
		STATE TOTAL			
	STANFORD UNIVERSITY	California	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,944 250 3,194
		STATE TOTAL			
	STATE OF OKLAHOMA	Oklahoma	NAVY OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	108 30 138
		STATE TOTAL			
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	284
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	147
	STRATEGY CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	SUNOL SCIENCES CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	SUPER RADIANT SYSTEMS	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SURFACE OPTICS CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SUSQUEHANNA RESOURCES ENVRNMNT	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	SWALES & ASSOCIATES	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	153
	SYNTERIALS	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SYRACUSE UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	244

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	SYSTEMS ENGINEERING ASSOCIATE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 770
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	337
	TECHNION RESEARCH & DEVELOPMEN	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	TECHNION-ISRAEL INSTITUTE OF T	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	TEKMARINE INC	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	96
	TEL AVIV UNIVERSITY	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	TERRA TEK INC	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	TESECO SRL	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
	TEXAS A & M UNIV SYS THE	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	436
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
				STATE TOTAL	591
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	300
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	333
				STATE TOTAL	633
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	212
	THE DOW CHEMICAL CO	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	490
	THE LONDON SCHOOL & ECONOMICS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	86
	TRACER TECHNOLOGIES INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	TRACOR-HYDRONAUTICS, INC	Maryland	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	440
	TRANSPORTATION RES ANTYZNG CTR	Florida	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	36
	TRI TESSCO	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	TRW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	289
		Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	CONTRACTOR TOTAL				322
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	85

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	TUFTS UNIVERSITY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	115
	UNIFIED INDUSTRIES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	320
	UNITED TECHNOLOGIES CORP	Conn	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140 65
		STATE TOTAL			205
	UNIV OF COLORADO	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
	UNIV OF MED & DENTISTRY OF NJ	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UNIV OF NORTH TEXAS	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	UNIVER/PGH COMMON SYST EDUC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	234
	UNIVERSAL PROPULSION COMPANY	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	UNIVERSIDAD DE OVIEDO	SPAIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UNIVERSITE PARIS-DAUPHINE	FRANCE	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	UNIVERSITY NOTRE DAME	Indiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	68
	UNIVERSITY OF AKRON	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	79
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	UNIVERSITY OF ALBERTA	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	183
	UNIVERSITY OF ARKANSAS	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	UNIVERSITY OF BRISTOL	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	UNIVERSITY OF CALIFORNIA	California	ARMY NAVY USAF OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	3,691 52 120 422
		STATE TOTAL			4,285
	UNIVERSITY OF CAMBRIDGE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	32
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	400
	UNIVERSITY OF CINCINNATI	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	348

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AZ11 (CONTINUED)

	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
		NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	136
	STATE TOTAL			236
	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	584
		NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	869
	STATE TOTAL			229
	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	424
		DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
	STATE TOTAL			574
	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	781
	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	686
	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	42
	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	277
	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,478
		NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	346
		USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	STATE TOTAL			4,872
	Iowa	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	110
	Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	103
	Kentucky	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	AUSTRIA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	SWEDEN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,135
		NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	522
	STATE TOTAL			1,657

DEPARTMENT OF DEFENSE

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	UNIVERSITY OF MIAMI INC	Florida	ARMY NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$ 135 95 33
		STATE TOTAL			263
	UNIVERSITY OF MICHIGAN	Michigan	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,801 530
		STATE TOTAL			3,331
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	489
	UNIVERSITY OF MISSISSIPPI	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	UNIVERSITY OF MISSOURI	Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	234
	UNIVERSITY OF NEBRASKA	Nebraska	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	334
	UNIVERSITY OF NEW MEXICO	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	84
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	537 50
		STATE TOTAL			587
	UNIVERSITY OF NOTTINGHAM	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	UNIVERSITY OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	UNIVERSITY OF OXFORD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	34
	UNIVERSITY OF PENNSYLVANIA	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,748
	UNIVERSITY OF READING	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	UNIVERSITY OF RHODE ISLAND	Rhode Islnd	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	316
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,348
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	188
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,387 346
		STATE TOTAL			1,733
	UNIVERSITY OF SOUTHERN MISSISS	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	89
	UNIVERSITY OF ST ANDREWS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26-

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE		DEPT	R&D DESCRIPTION	

AZ11 (CONTINUED)

UNIVERSITY OF STRATCLYDE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	\$	35
UNIVERSITY OF SURREY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		30
UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		2,540 104
	STATE TOTAL				2,644
UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		121
UNIVERSITY OF VIRGINIA	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		52
	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		600
CONTRACTOR TOTAL					652
UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		281
UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		2,671 90
	STATE TOTAL				2,761
UNIVERSITY OF WYOMING	Wyoming	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		83
UNIVERSITY RES FOUNDATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		50
UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		55
VECTORVISION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		50
VERAC INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		280
VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		298
VIRGINIA PLYTHNIC INST/ST UNI	Virginia	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		308 381
	STATE TOTAL				689
VREULS RESEARCH CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		64
WADDAN SYSTEMS	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		65
WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		951
WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		305

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ11 (CONTINUED)					
	WEIDLINGER ASSOCIATES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	WEIZMANN INSTITUTE THE	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	179
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,187
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,442
	WICKERSHEIMER ENGINEERS	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	WILSON-HILL ASSOCIATES INC	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	211
	WOODS HOLE OCEANOGRAPHIC INSTN	Mass	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	32
	WYKO CORP	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	XEROX CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	YALE UNIVERSITY	Conn	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	339 75
			STATE TOTAL		414
	YESHIVA UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	377
	ZETA-TECH ASSOCIATES	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
	R&D TOTAL				218,581
AZ12	A A I CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	124
	A K M ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	54
	ABLE CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	118
	ADCOM SYSTEMS, INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	30
	ADVANCED TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	581
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	593
	AEROJET ORDNANCE COMPANY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	300
	ALLIED SIGNAL AEROSPACE CO	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,977

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	AMRON CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	\$	60
	ANRO ENGINEERING CONSULTANTS	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		2,037
	APPLICATIONS RESEARCH CORP	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		60
	APPLIED PHYSICS TECHNOLOGY	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		100
	APPLIED PHYSICS TECHNOLOGY	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		100
	APPLIED RESEARCH ASSOC INC	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		67
		N Carolina	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		105
			ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		65
	CONTRACTOR TOTAL					170
	AQUANAUTICS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	ARIZONA STATE UNIVERSITY	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		45
	ARMAMENT SYSTEMS INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		438
	ASSESSMENT SYSTEMS CORPORATION	Minnesota	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		33
	BBN LABORATORIES	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		168
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		231
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		222
	BEND RESEARCH INC	Oregon	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		93
	BIO-IMAGING RESEARCH INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		90
	BOEING COMPANY THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		219
	CALCULEX, INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		51
	CALIFORNIA RES & TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		173
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		139
	CARLOW ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		133

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AID DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ12 (CONTINUED)					
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	92
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	CERAMATEC INC	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	98
	CHASE CONSULTANTS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	COBRO CORPORATION	Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	34
	COE-TRUMAN TECHNOLOGIES INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	211
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	92
	COMPUSEC, INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	261
	CONSOLIDATED CONTROLS CORP	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	81
	DAVID SARNOFF RESEARCH LABS	New Jersey	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	454
	DCS CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	DISPLAYTECH INC	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	60
	DYNETICS INC	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	E A I CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	179
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	409
	EASTPORT INTERNATIONAL	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	102
	EASTPORT INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	927
	ELECTRONIC IMAGE SYSTEMS INC	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ELECTROSYN CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ENVIRONMENTAL SCIENCE & ENGRG	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90
	ESSEX CORPORATION	Virginia	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	110 48
	STATE TOTAL				158

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	FMC CORPORATION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	644
	FORD AEROSPACE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	473
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	397
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	65
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	176
		STATE TOTAL			241
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90
		New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	145
		Vermont	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	134
		CONTRACTOR TOTAL			369
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	900
	GENESIS CONSULTANTS LTD, QSI, IN	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	149
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	641
		Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	317
		CONTRACTOR TOTAL			958
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	139
	GOODRICH B F COMPANY THE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	62
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	99
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	H R TEXTRON INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	628
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	198
	HONEYWELL INC	Minnesota	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	240
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	640
		STATE TOTAL			880
	HUMRRO INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	HY-TECH RESEARCH CORP	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	68

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ12 (CONTINUED)					
	HYESON CHUN ZEMANY	N. H.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	42
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	122
	I L C DATA DEVICE CORP DEL	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	74
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	IMAGE ACOUSTICS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	73
	IMO DELAVAL	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	900
	INSTITUTE FOR TECHNOLOGY DEV	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	INSTITUTE OF GAS TECHNOLOGY	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	247
	INTER-NATIONAL RES INSTITUTE	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	97
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	136
	IRVIN GREAT BRITAIN LTD	UNITED KIN	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	149
	J R M ASSOCIATES	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	28
	JAYCOR	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	160
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	74
	KEO CONSULTANTS	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	121
	KRAUSE P C & ASSOCIATES INC	Indiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	LASER SCIENCE, INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	218
	LAZER TECHNOLOGY ASSOC INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	513
	LITTON SYSTEMS INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	643
	LOCKHEED MISSILES & SPACE CO	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	5,074
	LOGISTICS MANAGEMENT ENGRG	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	88
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	232
	MAINTENANCE REQUIREMENTS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	MARK RESOURCES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	59

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AZ12 (CONTINUED)

MARTIN MARIETTA CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	\$	279
MASSACHUSETTS INST OF TECHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		36
MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		225
MAXWELL LABORATORIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		109
MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	Missouri	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		555
					605
CONTRACTOR TOTAL					1,183
MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		49
MEDFORD N HOGMON	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		40-
MEGABAR CORPORATION	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		49
MESOSCALE ENVIRONMENTAL	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		27
MIPLY EQUIPMENT, INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		528
MISSION RESEARCH CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		48
MSNW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
N K F ENGINEERING INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		27
NEW ENGLAND RESEARCH INC	Vermont	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		35
NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		29
NRC INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		73
OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		213
OKLAHOMA STATE UNIVERSITY	Oklahoma	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		59
OPTIMETRICS INC	Michigan	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		347
OPTRA INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		99
OREGON STATE UNIVERSITY	Oregon	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		275
PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
PARASOFT CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION
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AZ12 (CONTINUED)

PARKE MATHEMATICAL LABS	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	361
PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	215
PERCEPTICS CORPORATION	Tennessee	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
PHILLIPS ENGINEERING CO	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
PHOTO METRIC INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
		USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	494
		STATE TOTAL		543
PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	483
PIEZO SONA TOOL CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	93
POLAR RESEARCH LABORATORY INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	29
POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	173
POWERTRONIC SYSTEMS INC	Louisiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	48
PRINCETON UNIVERSITY	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	263
QUANTEX CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	75
QUANTIC INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
R D P INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
RADANT SYSTEMS INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	692
RADEX INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	619
RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
RADIATION RESEARCH ASSOCIATES	Texas	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	201
RAYTHEON COMPANY	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	170
RESNET INCORPORATED	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	48
S S G INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	\$ 115
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	542
	CONTRACTOR TOTAL				657
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
	SCHMIDT & ASSOCIATES INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	300
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	118
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	45
	CONTRACTOR TOTAL				163
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	835
	SEPARATION SYSTEMS TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
	SOCIETY OF AUTO ENGINEERS	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	173
	SOFTWARE CONSULTANT INTL LTD	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	47
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	SOUTHERN RESEARCH INSTITUTE	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	281
	SPARTA INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	57
	SPECIALTY PLASTICS INC	Louisiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	SPRINGBORN GROUP INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	52
	STATE OF OKLAHOMA	Oklahoma	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	219
	SUBSEA ENGINEERING ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	306
	SUNDSTRAND CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,912
	SURVIVE ENGINEERING COMPANY	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	239
	SUTRON CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	SYNTECH MATERIALS, INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	SYSTEMS RESEARCH LABORATORIES	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	197
	TACAN CORPORATION	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	85

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ12 (CONTINUED)					
	TECHNOLOGY APPLICATIONS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	69
	TEXAS A & M UNIV SYS THE	Texas	NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100 150
			STATE TOTAL		250
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	292
	UNITED TECHNOLOGIES CORP	Conn	ARMY NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	249 318
			STATE TOTAL		567
		Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	298
	CONTRACTOR TOTAL				865
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	151
	UNIVERSITY OF ARKANSAS	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	65
	UNIVERSITY OF CINCINNATI	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	497
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,818
	UNIVERSITY OF KENTUCKY	Kentucky	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	56
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	UNIVERSITY OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	755
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,123
	VIASAT INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	245
	VIRGINIA PLYTHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	32
	VISTA CONTROLS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	47
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,080
	WASHINGTON STATE UNIVERSITY	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	54
	WASHINGTON UNIVERSITY	Missouri	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	84
	WESTINGHOUSE ELECTRIC CORP	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	171

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	K&D DESCRIPTION	\$
AZ12 (CONTINUED)					
	WOODWARD-CLYDE CONSULTANTS	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	170
	WRIGHT STATE UNIVERSITY	Ohio	ARMY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	41- 40
	R&D TOTAL		STATE TOTAL		1-
					48,539
AZ13	ADVANCED TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	517
	ANACAPA SCIENCES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	509
	ANALYTIC SCIENCES CORP	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	166
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	408-
	BATTERY INTERNATIONAL INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BDM CORPORATION	Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	63
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	88-
	BIOSPHERICAL INSTRUMENTS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BOEING COMPANY THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	16,800
		Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	57
	CONTRACTOR TOTAL				16,857
	BURKE INDUSTRIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	79
	C M S RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	65
	C V D INCORPORATED	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,513
	CARNEGIE-MELLON UNIVERSITY	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	21,690
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	701
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	EXTREL CORPORATION	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	650
	FABEL SYS CORP	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	356

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ13 (CONTINUED)					
	FOOD INNOVATIONS, INC	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	\$ 52
	FORD AEROSPACE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	120
	FOSTER-MILLER INC	Mass	NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	60 72
		STATE TOTAL			132
	GA TECHNOLOGIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,750
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	303
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	818
	GIANNETTI & ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	39
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	93
	GNB INCORPORATED	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	178
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,523
	HONEYWELL INC	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	86
	INFORMATION RESEARCH LAB	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	95
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	14,586
	INTERNATL SENSOR TECHNOLOGY	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	635
	K M S FUSION INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	250
	KETRON INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	85
	LOCKHEED MISSILES & SPACE CO	Alabama	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,579
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	100
		CONTRACTOR TOTAL			1,679
	MASSACHSTTS INST OF TECHNOLOGY	Mass	NAVY USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	89 367,248
		STATE TOTAL			367,337
	MASTER BOND INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	73
	MCDONNELL DGLS BELL HEL TEX JV	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	14,000

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ13 (CONTINUED)					
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	599
	O A O CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	300
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	988
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	71
	R & D ASSOCIATES	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	49
	RAYTHEON SERVICE COMPANY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	501
	RECOGNITION CONCEPTS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	53
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	55
	RGI INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	991
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	67
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	703
	CONTRACTOR TOTAL				770
	SCIENCE APPLICATIONS INTL CORP	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	133
	SUNPOWER INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	783
	TECOLOTE RESEARCH INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	557
	THELEDYNE WAH CHANG	Oregon	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	133
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	165
	TEXTILE TECHNOLOGIES INC	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	66
	THERMACORE INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	40
	THERMEDICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	250
	TITAN CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	246
	TUSKEGEE UNIVERSITY	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	UNIDYNAMICS CORPORATION	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	38
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	40-
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	260

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ13 (CONTINUED)					
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	70
	UNIVERSITY OF CENTRAL FLORIDA	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	3,012
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	299
	WERNER & PFLEIDERER CORP	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	52
	R&D TOTAL				457,195
AZ14	ADVANCED DIGITAL SYSTEM INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	91
	ADVANCED MECH TECHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	186
	AEROVIRONMENT INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	214
	ANALYTICS INCORPORATED	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	428
	AQUA-CHEM INC	Wisconsin	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	23,531
	BALL CORPORATION	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	116
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	371
	BOEING COMPANY THE	Washington	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,200
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	8,300
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	214
	CONTRACTOR TOTAL				8,514
	CAMBRIDGE ROBOTIC SYSTEM INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100-
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	126
	CEMCOM RESEARCH ASSOC INC	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	CHOPP COMPUTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	COLEMAN RESEARCH CORPORATION	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	COMMAND CONTRL COMMUNICATIONS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	300
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	70
	CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,043

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ14 (CONTINUED)					
	CRAFTSMEN CORP	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	\$ 146
	ELECTROSPACE SYSTEMS INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	659
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	4,212
	CONTRACTOR TOTAL				4,871
	EPSILON LAMBDA ELECTRONICS	Illinois	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	54
	FEMMECAMP INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	2,365
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	47
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	HOKENSON COMPANY	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	220
	HONEYWELL INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	2,210
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	190
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	488
	INSULATING MATERIALS INC	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	61
	INTEGRATED SOFTWARE INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	KDI PRECISION PRODUCTS INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,520
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,428
		Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100
	CONTRACTOR TOTAL				1,528
	MERCER UNIVERSITY	Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	74
	MITRE CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	342,187
	NEWPORT ELECTRO OPTIC SYSTEMS	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	178
	NORECO INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	56
	ORION INTL TECHNOLOGIES	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,427
	PIDEAC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	205
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	872

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ14 (CONTINUED)					
	CONTRACTOR TOTAL	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	\$ 2,163
	STANFORD TELECOMMUNICATIONS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	3,035
	STEWART ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	793
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	56-
	SYSTEMS & SECURITY TECHNOLOGY	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,049
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	SYSTEMS RESEARCH LABORATORIES	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100
	TECHDYN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	65
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	245
	TITAN CORPORATION	GERMANY, F	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	166
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	588
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	946
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	459
	R&D TOTAL				2,300
					403,957
AZ15	ADDMASTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	200
	ADMASTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	479
	ADVANCED MATERIALS LABORATORY	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	300
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	55
	AEROCHEM RESEARCH LABORATORIES	New Jersey	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	98
	ALTUS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	53
	AREA THERM CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	ARL INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	945
	B-K DYNAMICS INC	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	247

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ15 (CONTINUED)					
	BAKER WILFRED ENGINEERING	Texas	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	210
	BDM CORPORATION	California	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	285
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	133
	CAMBRIDGE SCIENTIFIC INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	65
	CAS INC	Alabama	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	56
	COE-TRUMAN TECHNOLOGIES INC	Illinois	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	274
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	80
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	200
	DAMASKOS INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	227
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DELTA G CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	DYNAMAC INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	77
	ENERGY CONVERSION DEVICES INC	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	ENSCO INC	Florida	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	77
	ESSEX CORPORATION	Alabama	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	518
	GARRET AUXILIARY POWER DIV	Arizona	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	314
	GEO-CENTERS INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	75
	HARRIS CORPORATION	Florida	ARMY USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	6,949 1,954
	STATE TOTAL				8,903
	HITTMAN MAT & MED COMPONENTS	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	40,809

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ15 (CONTINUED)					
	CONTRACTOR TOTAL				
	ILLINOIS INST OF TECHNOLOGY	New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	31
	IOWA STATE UNIV SCNC	New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	40,840
	K M S FUSION INC	Iowa	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	54
	KETRON INC	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	57
	LIGHT AGE INC	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
		California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	374
		New Jersey	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,341
	CONTRACTOR TOTAL				181
	LOCKHEED ELECTRONICS CO	New Mexico	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,522
	LOGISTICS MANAGEMENT INST	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	16,415
	M R M ENGINEERS PC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	12,297
	MAC AULAY-BROWN INC	Ohio	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	MACH I INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MAINTENANCE REQUIREMENTS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,877
	MANDEX INC	Arizona	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	497
		Virginia	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,471
	CONTRACTOR TOTAL				36
	MATERIALS RELIABILITY, INC.	Illinois	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,507
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	494
	MIKROS SYSTEMS CORPORATION	New Jersey	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MO SCI CORPORATION	Missouri	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	N D T TECHNOLOGIES INC	Conn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	NETWORK EQUIPMENT TECHNOLOGIES	California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
					1,939

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ15 (CONTINUED)					
	NEVADA ENGRG & TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	113
	NTS ENGINEERING	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	84
	OFFICE OF THE FUTURE INC	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	640
	OMNI ANALYSIS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	OPERATIONAL TECHNOLOGIES ASSOC	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	49
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	49
	PHYSICAL OPTICS CORP	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	70
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	34
	QUANTIC INDUSTRIES INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	52
	QUANTUM DESIGN INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	52
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	234
	SIGMA RESEARCH INC	Washington	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	SPACE POWER INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	682
	SURVICE ENGINEERING COMPANY	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	125
	SYSTEMS & PROCESSES ENGRG	Texas	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	48
	TACAN CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	TAU CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	TECHNICAL RESEARCH ASSOCIATES	Utah	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	50
	TEKNOLEDGE INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	49
	TELEDYNE INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP	75

DEPARTMENT OF DEFENSE

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
	CONTRACTOR TOTAL				
	TEXTILE TECHNOLOGIES INC				
	TRW INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	604
		California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	679
	UNICOM SYSTEMS INC DEL	New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	UNIQUE MOBILITY INC	Colorado	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	650-
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	666
		Florida	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	571
					1,447
					1,930
					3,377
	CONTRACTOR TOTAL				45
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	UNIVERSITY OF MICHIGAN	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	26
	UNIVERSITY OF VERMONT	Vermont	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	31
	VEDA INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	76
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	28
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	492
	XMCO INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	XSIRIUS SCIENTIFIC INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	100,811
	R&D TOTAL				54
AZ16	A P A OPTICS INC	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	300
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	238
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	234
	ADVANCED TECHNOLOGY INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	65
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	

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FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
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AZ16 (CONTINUED)

AMERICAN RES CORP VIRGINIA	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	\$	50
AMERICAN SYSTEMS ENGRG CORP	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		200
ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		851
APPLIED RESEARCH ASSOC INC	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		213
APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		338
AQUANAUTICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		50
ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		50
ATLANTIC RESEARCH CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		200
AUTOMATED SCIENCES GROUP INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		246-
AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		200
BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		285
BERNIER & ASSOC INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		46
BIO METRIC SYSTEMS INC	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		39
BRAN FERREN CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		496
BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		80
BRUBAKER INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		52
BUSINESS TCHNOLOGICAL SYSTEMS	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		51
CALIBER INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		50
CALSPAN CORPORATION	Tennessee	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		48,679
CAMBRIDGE ANALYTICAL ASSOC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		165
CAPE COD RESEARCH INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		66
CARLOW ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		100
CARNEGIE GROUP INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		100
CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		217
CERAMATEC INC	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP		50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ16 (CONTINUED)					
	COMPU-CAD INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,958
	CONSOLVE INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	CRYSTAL SYSTEMS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	88
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	80
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	52
	DELFIN SYSTEMS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	175
	DESIGN SYNTHESIS INC	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70
	DYNACORP	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	5,750
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	104
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	64
	ELECTRO-OPTIK CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	66
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	ENIG ASSOCIATES INC	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	EOS TECHNOLOGIES INC	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	60
	ESSEX CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	EXFLUOR RESEARCH CORPORATION	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	FIBERTEK INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	627
	FLOUROCHEM INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	FOSTER-MILLER INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	323
	FUZETRON INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	GDM INC	Alaska	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	GENERAL RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
AZ16 (CONTINUED)					
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	27
	HARRIS CORPORATION	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	98
	HILTON SYSTEMS INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	794
	HONEYWELL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	550
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	51
	INFORMTION SYSTEMS NTRKS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	644
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	INTEGRATED CHEMICAL SENSORS	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	32
	INTEGRATED PARALLE TECH	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,552
	J & D SCIENTIFIC INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	K F O ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	299
	K M S FUSION INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	99
	LASER SCIENCE, INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	165
	LEHRER-PEARSON INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	475
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	114
	LOGISTICS MANAGEMENT ENGRG	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	45
	M S I ELECTRONICS INC	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	MASSACHSTTS INST OF TECHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	148
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	MATERIALS RELIABILITY, INC.	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	MEMBRANE TECHNOLOGY & RES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	56
	METRONIX TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	71
	MICROCOMPATIBLES INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	\$
	AZ16 (CONTINUED)				
	MILLITECH CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	MORGAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	MSNW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	107
	NICHOLS RESEARCH CORPORATION	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	NU-TECH INDUSTRIES INC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70
	ODETICS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	73
	OFFICE OF THE FUTURE INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	OMNI ANALYSIS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	250
	ONTAR CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	39
	OPTELECOM INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	490
	OPTIMA SYSTEMS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	133
	OPTRA INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	INCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,001
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	PIEZO ELECTRICAL PRODUCTS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	64
	POLAR MATERIALS, INC	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	97
	PRINCETON SCIENTIFIC ENTRPRSS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	58
	PRINCETON SCIENTIFIC INSTRS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	181
	PROGRAMMING ENVIRONMENTS INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	QUANTUM DESIGN INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	96
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	258
	REFRACTORY COMPOSITES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	38
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	RESOURCE TECHNOLOGIES GROUP	W Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	S F A T AMERICA INC	FRANCE	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 68
	SCAN MEDICAL CORPORATION	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 48
	SCHWARTZ ELECTRO-OPTICS INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 47
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 168
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 150
					318
	STATE TOTAL				
	SIPIN ANATOLE J CO INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 50
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 144
	SPIRE CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 62
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 41
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 51,769
	SYMETRIX CORPORATION	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 50
	SYNETICS CORPORATION	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 50
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 100
	TECHNIWEAVE INC	N.H.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 299
	TEKTRONIX INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 27
	THERMACORE INC	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 50
	TRICOR SYSTEMS INC	Illinois	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 49
	TYBRIN CORPORATION	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 365
	UNIV OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 78
	UNIV RESEARCH ENGINEERS & ASSC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 195
	UNIVERSAL SENSORS INC	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 218
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 41
	VANCE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 50
	VATELL CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT	SUP 495

PRIME CONTRACTS OVER \$25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	\$ 105
	VISTA CONTROLS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	27-
	WAGNER D AND H ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	WESTAT, INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	44
	R&D TOTAL				127,400
	GRAND TOTAL FOR R&D				\$ 22,542,526

END

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